# J.B.SOELLNER SUCCRS.

**Manufacturers of Mathematical Drawing Instruments and Patented Metal Slide Rules**

# NUREMBERG (BAVARIA)

# J. B. SOELLNER SUCCRS.

SOELLNER

*Manufacturers of Mathematical*
*Drawing Instruments*
*and Patented Metal Slide Rules*

SOELLNER

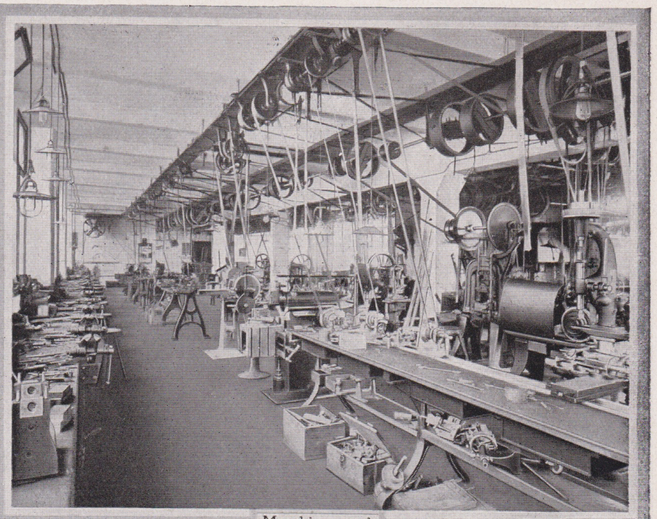
## NUREMBERG (Bavaria)

Telegrams: **SOELLNER NACHF.** **TELEPHONE: Nr. 3627.**

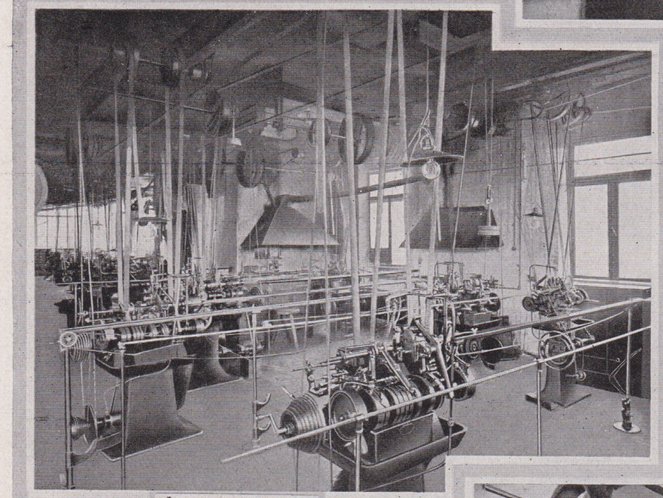
A. B. C. Code 5th Edition

Most modern machinery. * 230 workmen and staff.

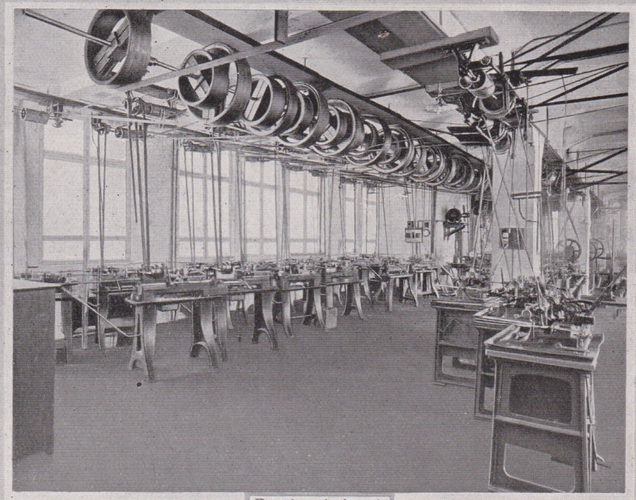
*EDITION 1924*



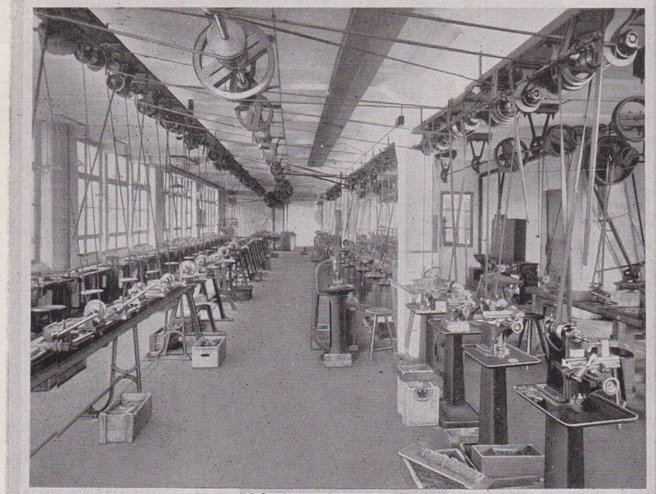
Maschinensaal.



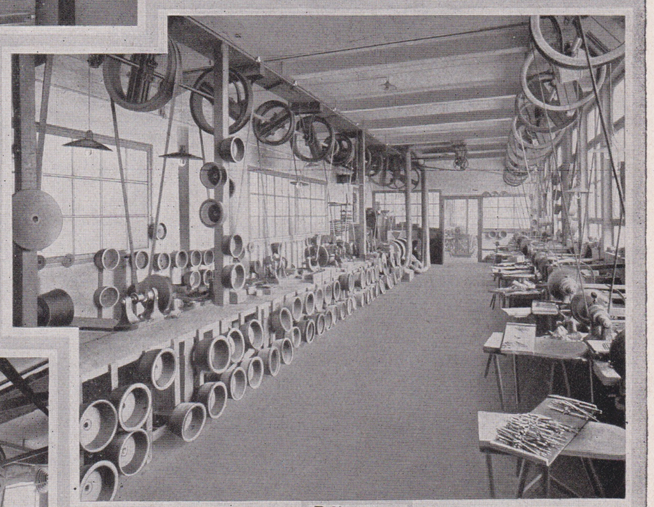
Automatendreherei.



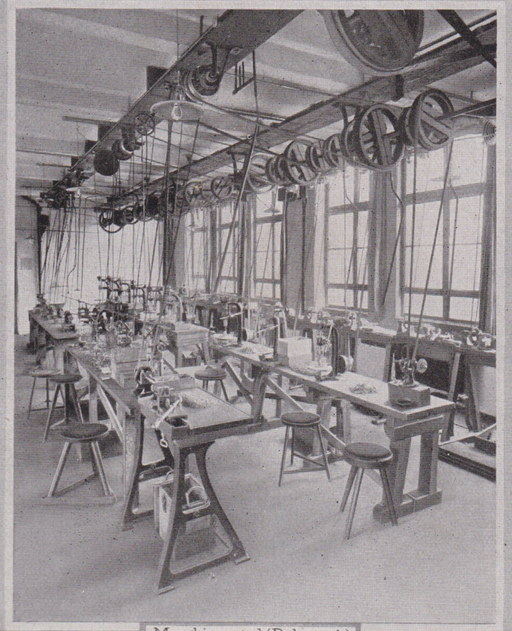
Revolverdreherei.



Maschinensaal (I. Stock.)



Polierraum.



Maschinensaal (Bohrerei.)

**J. B. SOELLNER Succrs. NUREMBERG**
**Manufacturers of Mathematical Drawing Instruments**

SOELLNER

SOELLNER

# PREFACE.

In placing before you this, the latest edition of our Catalogue of Drawing Instruments, we respectfully beg to point out that all these instruments are manufactured, down to the smallest detail,

## *in our Factory at NUREMBERG.*

It is always our desire to manufacture the very best and most modern instruments it is possible to produce, and we spare no expense and trouble in order to sustain our world-wide reputation in this respect. Every detail is made on our premises, down to the smallest Screws, Nuts, Bolts, etc., and for that reason our prices are, and will continue to be, the lowest possible consistent with the high standard of quality, accuracy and excellence for which our instruments are known throughout the world.

In consequence of the sustained growth of our business and the continually increasing demand for our goods, we have also acquired the well-known Factory for Drawing Instruments, of

## *GEORG FRIEDRICH*

**established in 1861.**

In view of this, we have been able to introduce further important improvements in the construction and design of our instruments.

To those who are as yet unacquainted with us or our product, we wish to say that *SOELLNER's* instruments are guaranteed to be of best materials and unsurpassed workmanship.

It will be our constant endeavour to please our customers, both in respect of the quality of goods and prompt delivery and we shall much appreciate and give our careful attention to all orders from old and new clients.

J. B. SOELLNER Succrs.

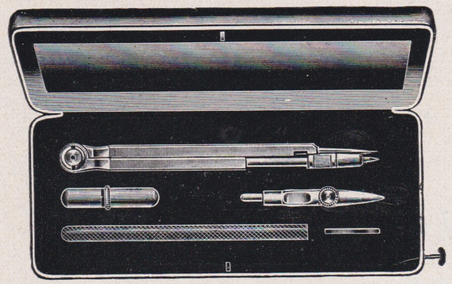
J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

SOELLNER

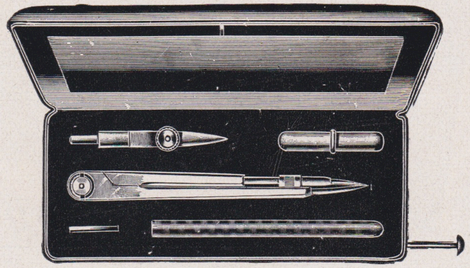
# Series ENO
# Series ALPHA

SCHOOL CASES OF INSTRUMENTS FOR BEGINNERS.
BRASS or NICKEL-PLATED.
Cases with velvet lining.



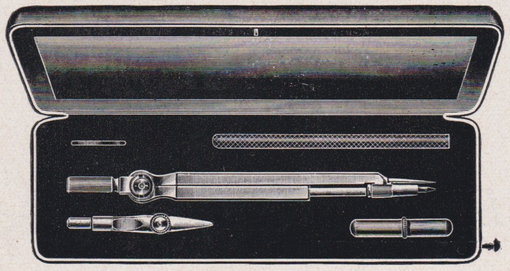
ENO I

**ENO I/0** but in cardboard box in place of pocket case.



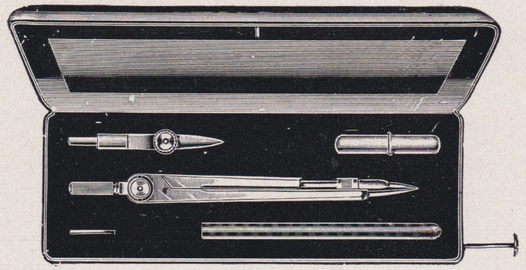
ALPHA I

**ALPHA I/0** but in cardboard box in place of pocket case.



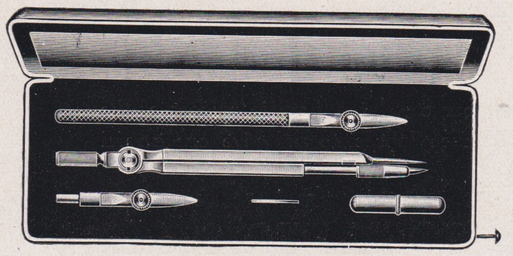
ENO II

**ENO II/0** but in cardboard box in place of pocket case.

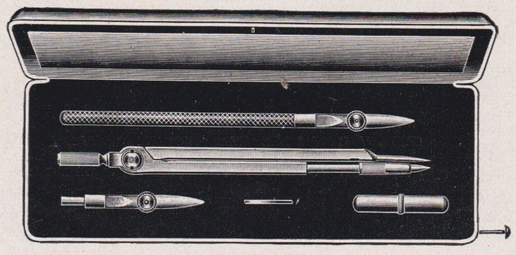


ALPHA II

**ALPHA II/0** but in cardboard box in place of pocket case.



ENO III



ALPHA III

Illustrations: 1/2 actual size.



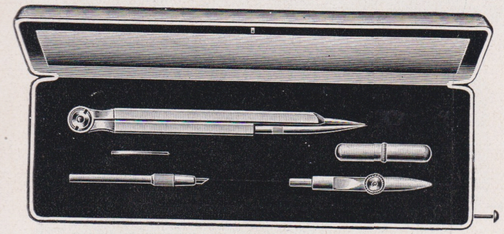
J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

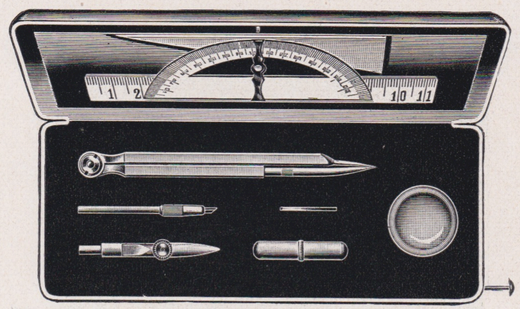
SOELLNER

# Series NILO

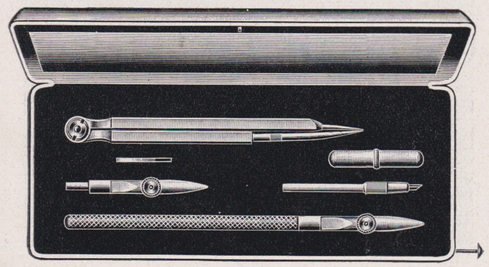
SCHOOL CASES OF INSTRUMENTS FOR BEGINNERS.
BRASS or NICKEL-PLATED.
Cases with velvet lining.



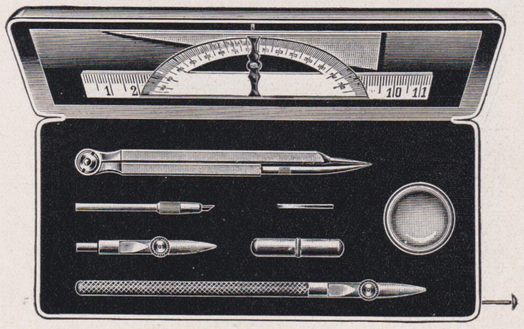
151



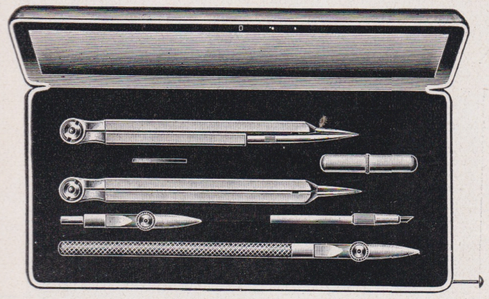
151 a



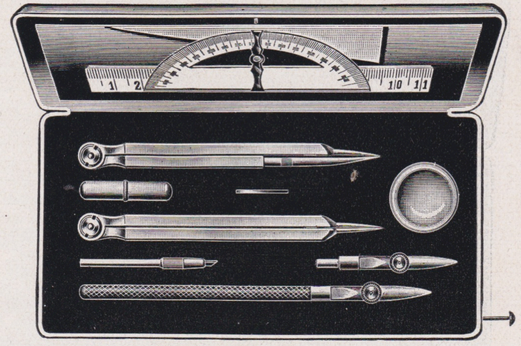
152



152 a



153



153 a

Illustrations: 1/2 actual size.

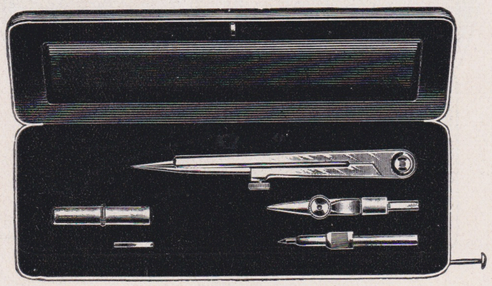
**J. B. SOELLNER Succrs. NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

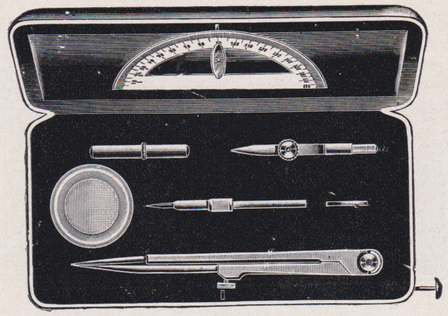
# Series ARGO

SOELLNER

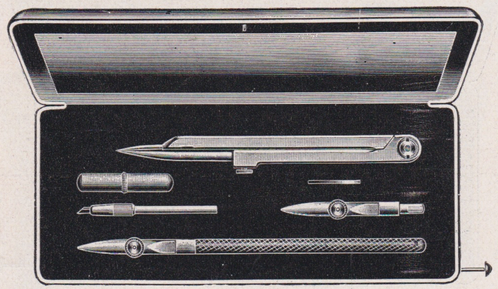
SCHOOL CASES OF INSTRUMENTS FOR BEGINNERS.
BRASS or NICKEL-PLATED.
Cases with velvet lining.



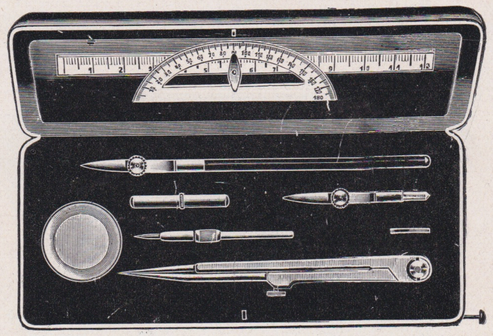
51



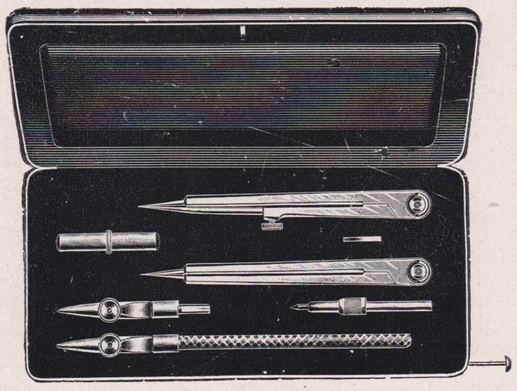
51a



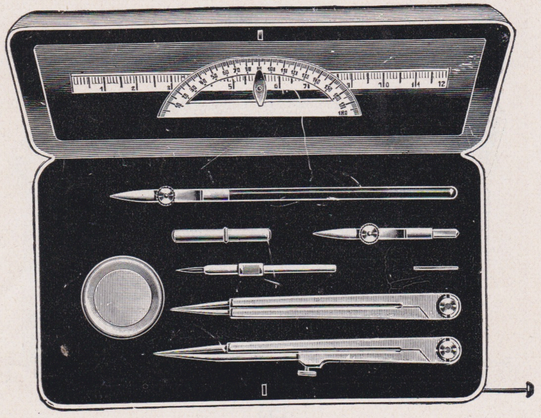
52



52a



53



53a

**Illustrations:** $^1/_2$ **actual size.**



**J. B. SOELLNER Succrs. NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

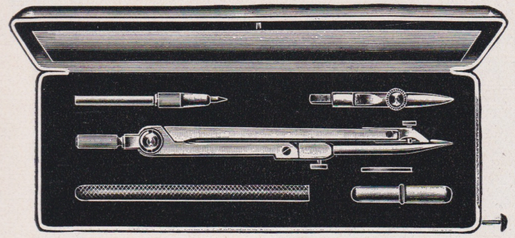
SOELLNER

# Series HANSA

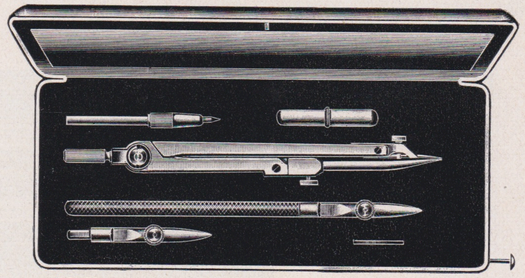
SOELLNER

SCHOOL CASES OF INSTRUMENTS.
BRASS or NICKEL-PLATED.
Cases with velvet lining.

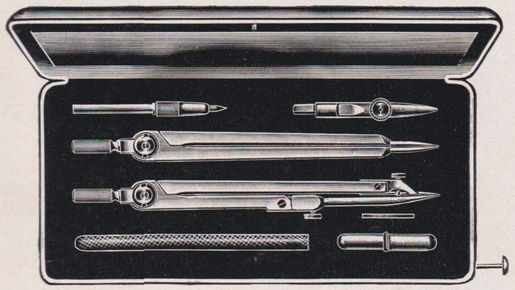
H = with plain points. — HN = with needle points.



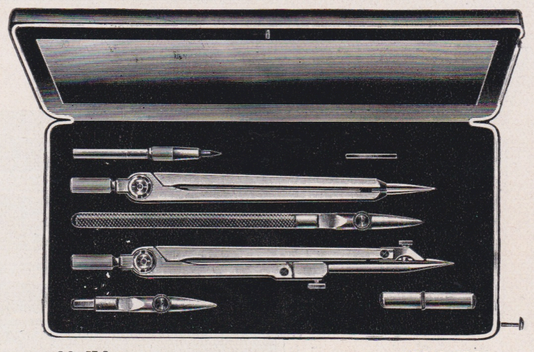
H I HN I



H II HN II

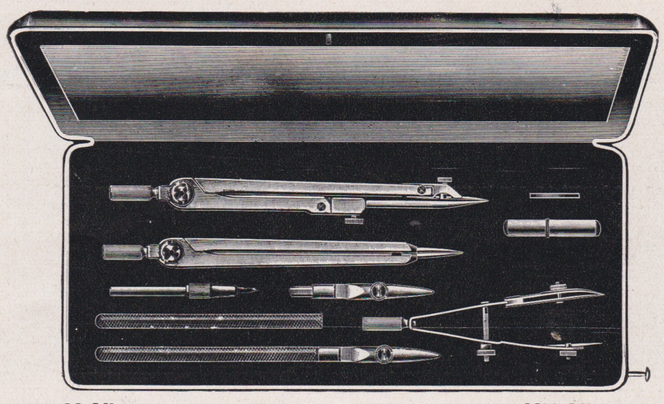


H III HN III



H IV HN IV

H V, HN V } as illustration, and with lengthening bar.



H VI HN VI

**Illustrations:** $^1/_2$ **actual size.**

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

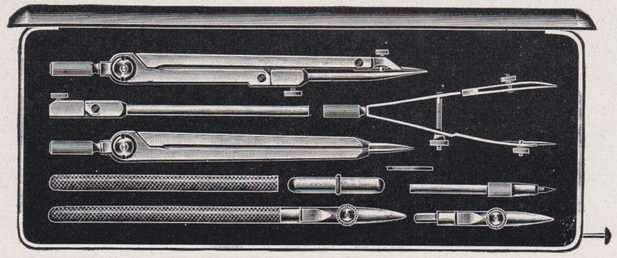
SOELLNER

# Series HANSA

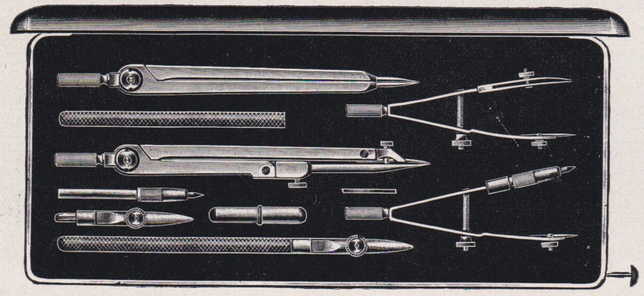
SCHOOL CASES OF INSTRUMENTS.
BRASS or NICKEL-PLATED.

Cases with velvet lining.

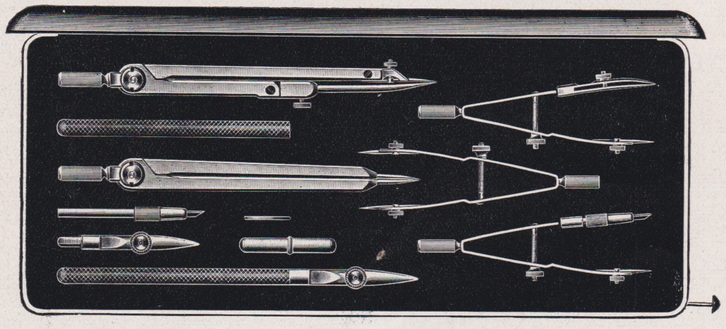
H = with plain points. — HN = with needle points.



H VII HN VII



H XII HN XII



H XIII HN XIII

Illustrations: 1/2 actual size.



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

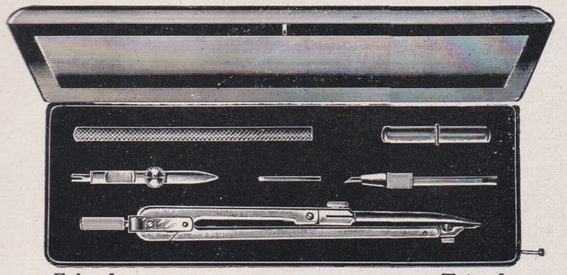
SOELLNER

# Series ESKA — Series TEKA

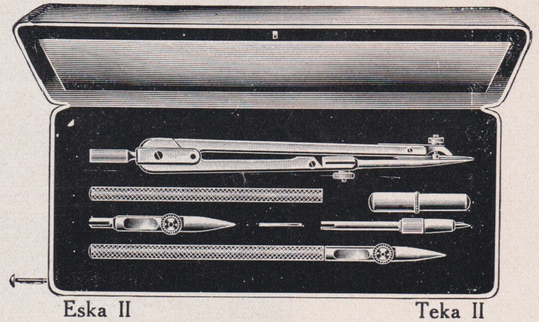
CASES OF INSTRUMENTS FOR COLLEGES. BRASS or ELECTRUM.

Cases with velvet lining.

Series Eska = with plain points. — Series Teka = with needle points.

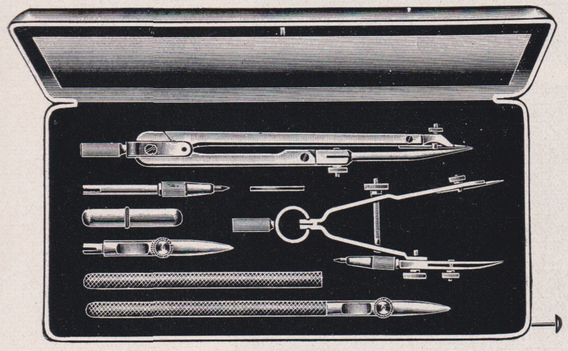


Eska I Teka I

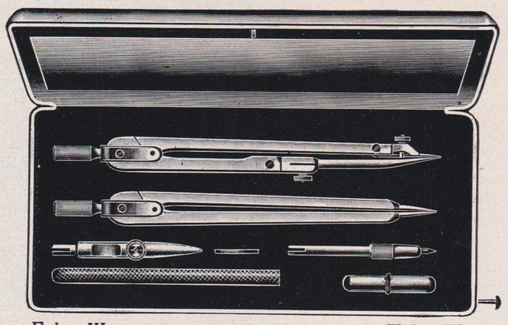


Eska II Teka II

Eska IIa } as illustration, and with lengthening bar.
Teka IIa }

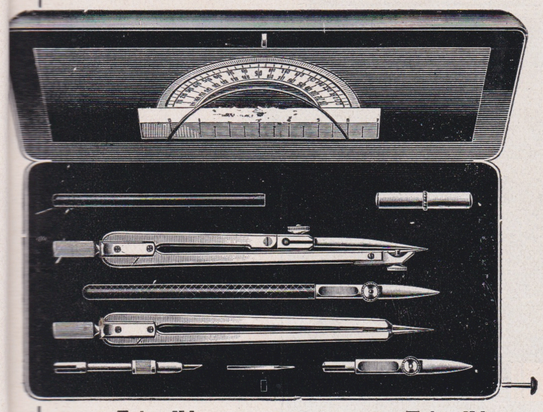


Eska IIb Teka IIb

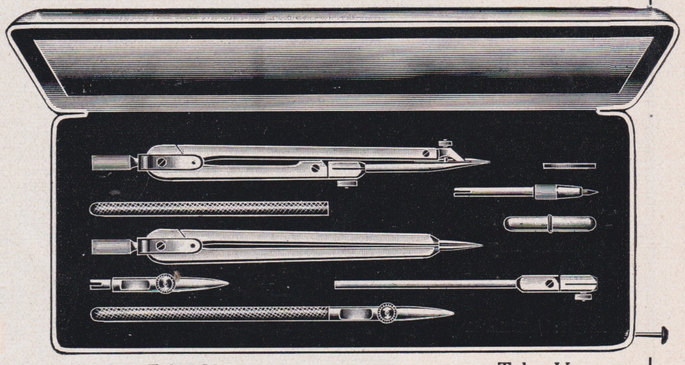


Eska III Teka III

Eska IIc } as illustration, and with lengthening bar.
Teka IIc }



Eska IV Teka IV



Eska V Teka V

The cases are without any protractor.

Illustrations: 1/2 actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

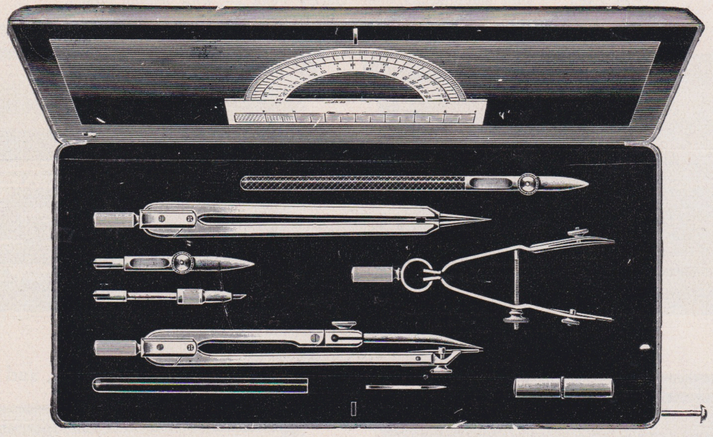
SOELLNER

# Series ESKA — Series TEKA

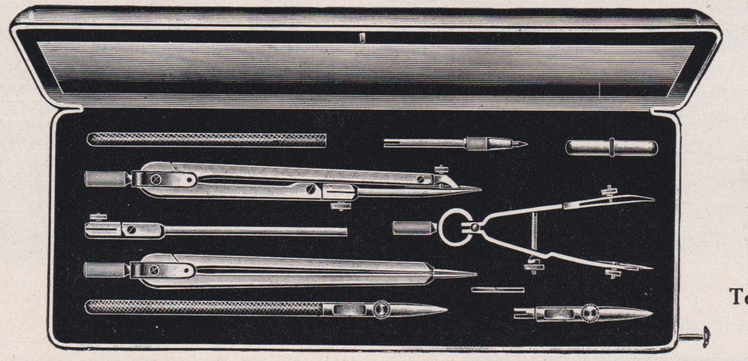
## CASES OF INSTRUMENTS FOR COLLEGES. — BRASS or ELECTRUM.

Cases with velvet lining.

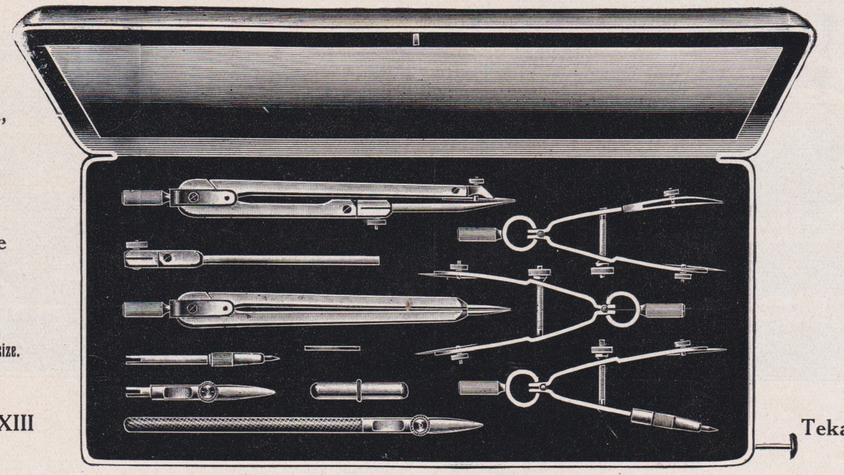
**Series Eska = with plain points. — Series Teka = with needle points.**



Eska VI — Teka VI



Eska VII — Teka VII



**Eska XII**
**Teka XII**
as illustration, but without spring bow divider.

The cases are without any protractor.

Illustrations: 1/2 actual size.

Eska XIII — Teka XIII



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

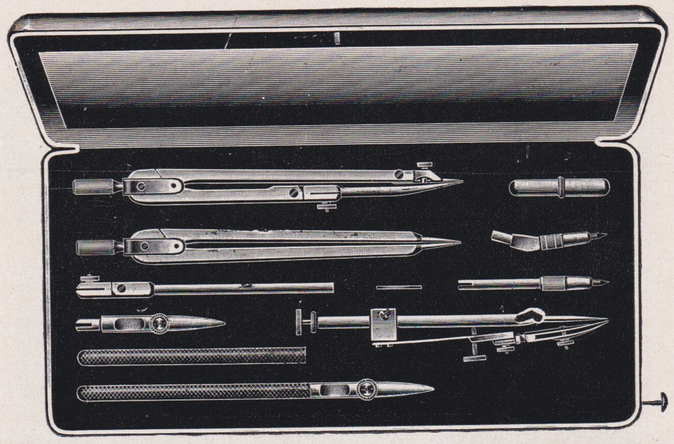
SOELLNER

# Series ESKA — Series TEKA

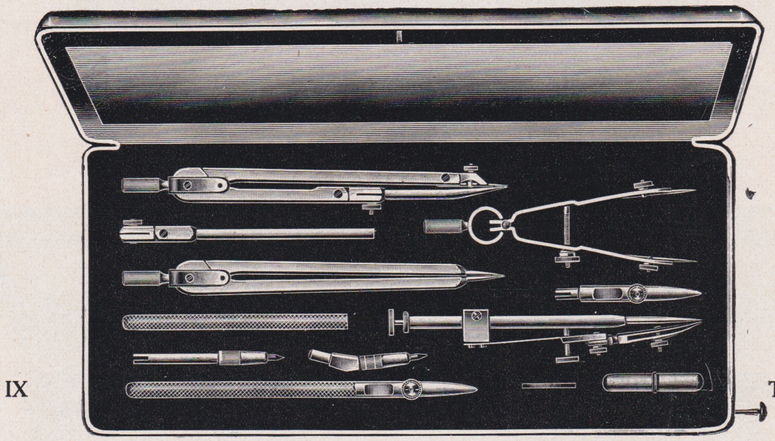
## CASES OF INSTRUMENTS FOR COLLEGES. — BRASS or ELECTRUM.

Cases with velvet lining.

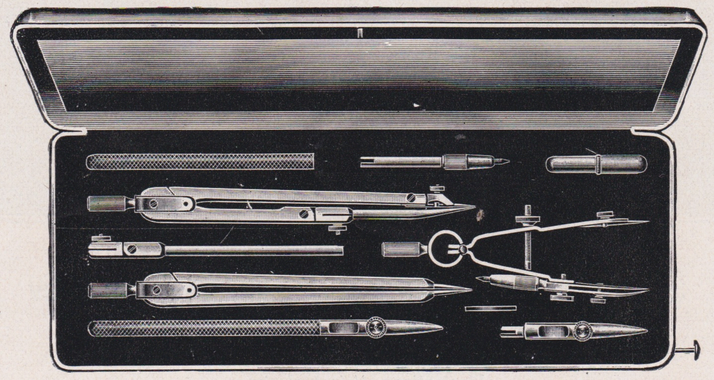
**Series Eska = with plain points. — Series Teka = with needle points.**



Eska VIII — Teka VIII



Eska IX — Teka IX



Eska XIV — Teka XIV

Illustrations: 1/2 actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

SOELLNER

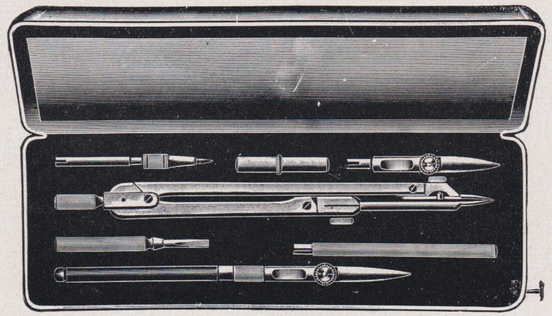
# Series TEMO

## CASES OF INSTRUMENTS FOR DRAUGHTSMEN, TECHNICAL SCHOOLS AND STUDENTS.

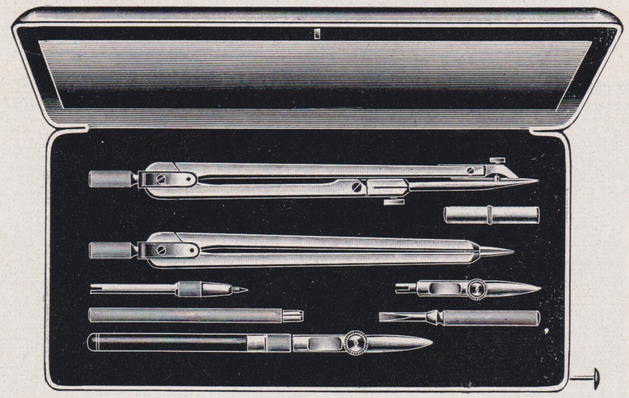
BRASS.

Cases with velvet lining.

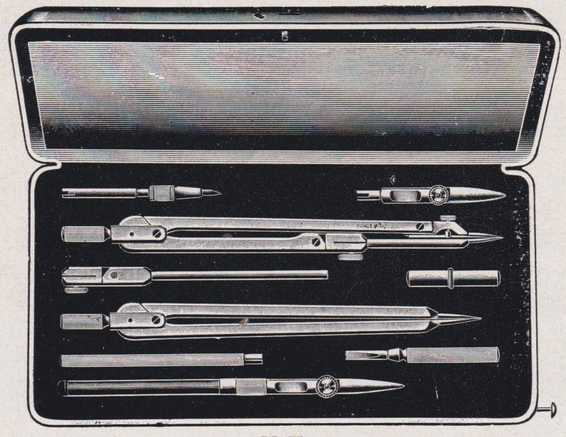
I T
as illustration, but without drawing pen.



II T



IV T



V T

**Illustrations: 1/2 actual size.**



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

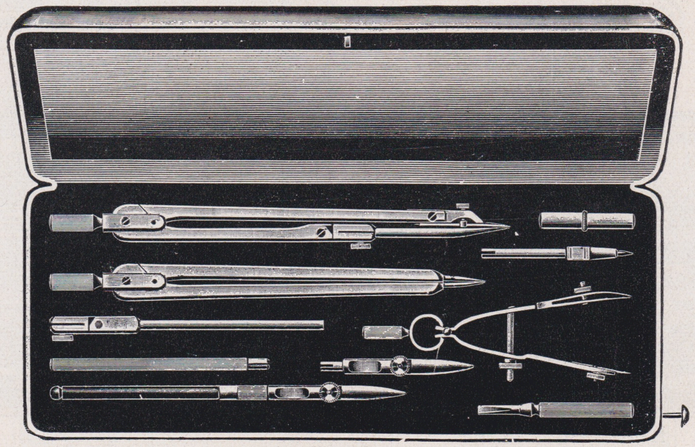
SOELLNER

# Series TEMO

## CASES OF INSTRUMENTS FOR DRAUGHTSMEN, TECHNICAL SCHOOLS AND STUDENTS.

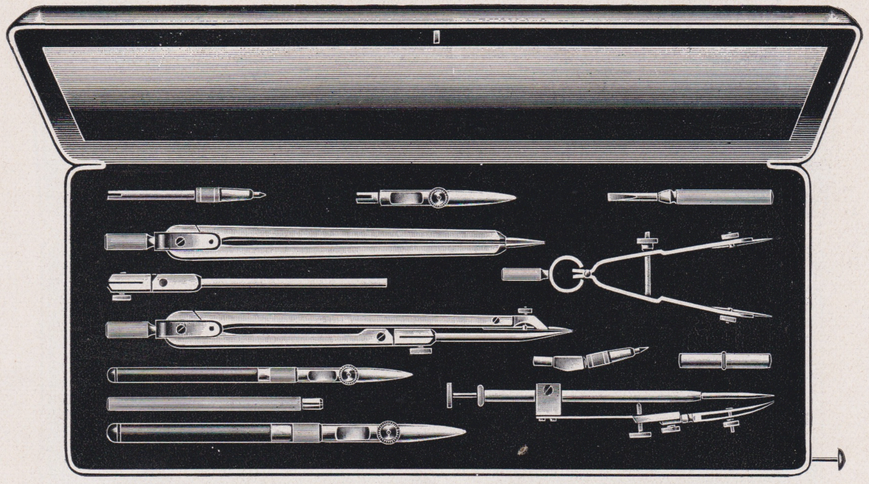
BRASS.

Cases with velvet lining.



VII T

VI T as illustration, but without lengthening bar.



XII T

VIII T as illustration, but without spring bow, 1 drawing pen only.

**Illustrations: 1/2 actual size.**

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SQELLNER

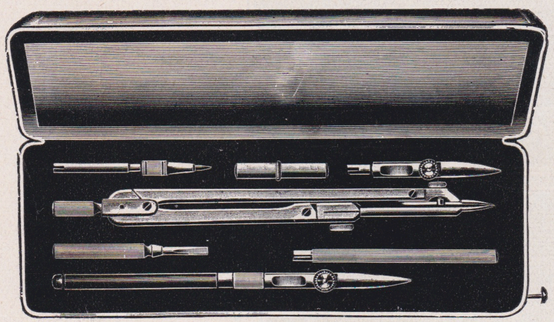
SOELLNER

# Series REMO

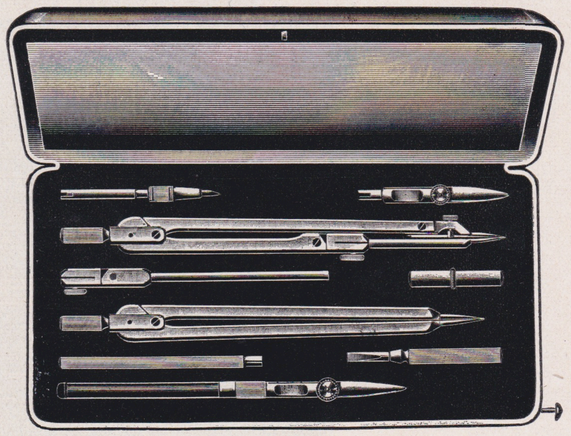
## CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

### Ia. ELECTRUM.

Cases with velvet lining.

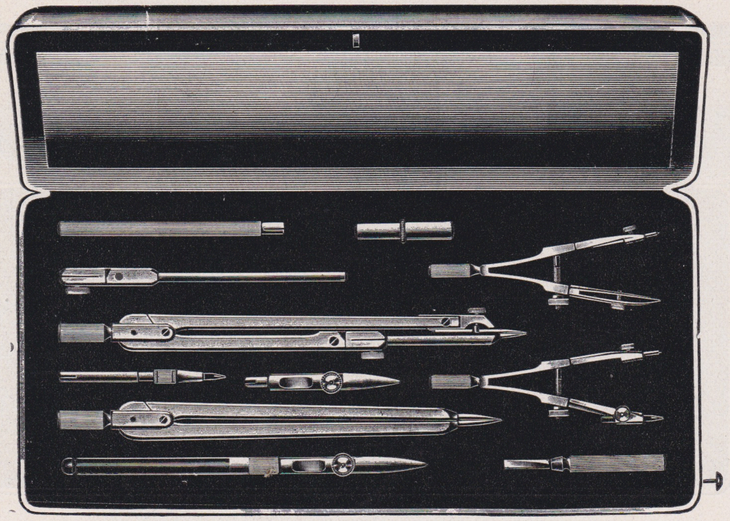


II R



V R

IV R as illustration, but without lengthening bar.



V R/2

V R/1 as illustration, but 1 spring bow only.

II R/2 as illustration, but without divider 175.

Illustrations: 1/2 actual size.



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

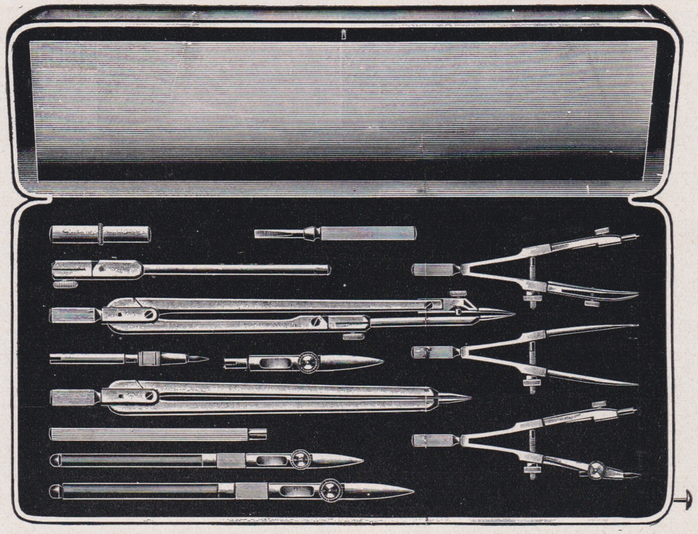
SOELLNER

# Series REMO

## CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

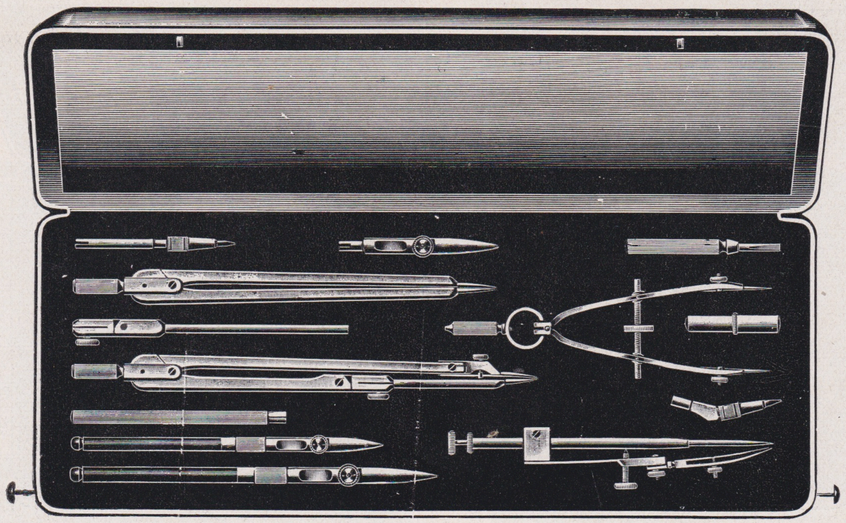
### Ia. ELECTRUM.

Cases with velvet lining.



X R

V R/3 as illustration, but with 1 drawing pen only.



VII R

VI R as illustration, but without spring bow.

Illustrations: 1/2 actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

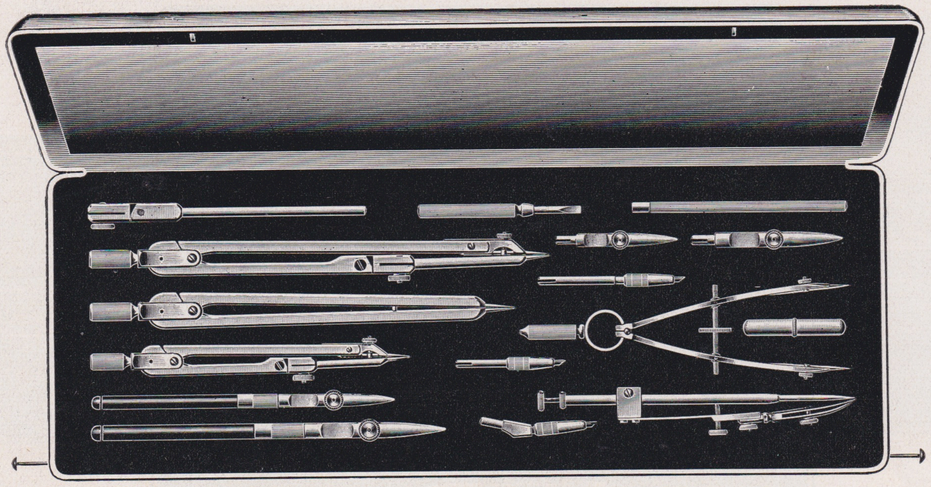
SOELLNER

# Series REMO

## CASES OF INSTRUMENTS FOR ENGINEERS AND STUDENTS.

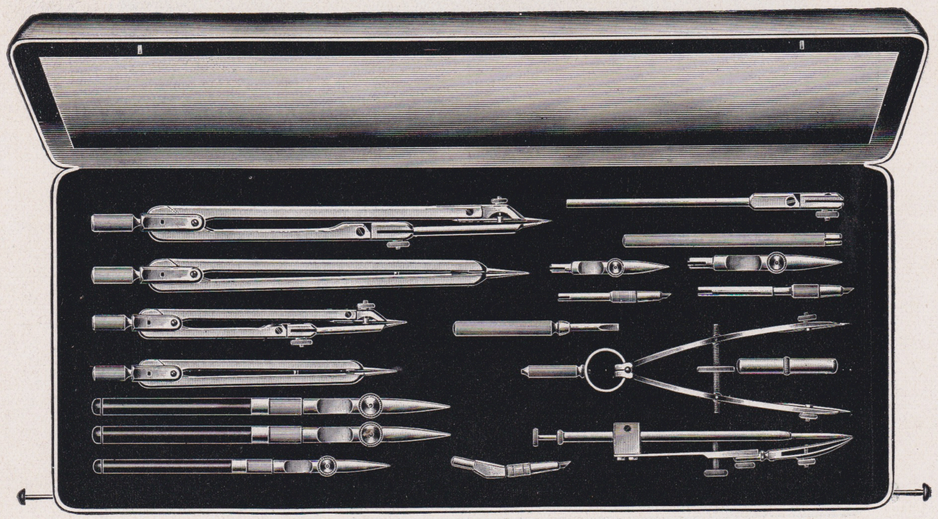
### Ia. ELECTRUM.

Cases with velvet lining.



IX R

VIII R as illustration, but without spring bow.



XI R

Illustrations: 1/2 actual size.



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

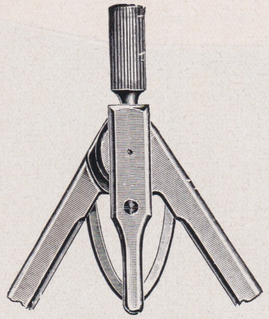
SOELLNER

# Series PRECO

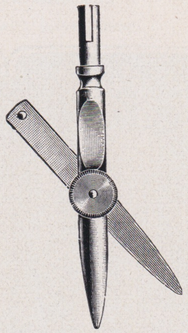
## CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.

### Ia. ELECTRUM.

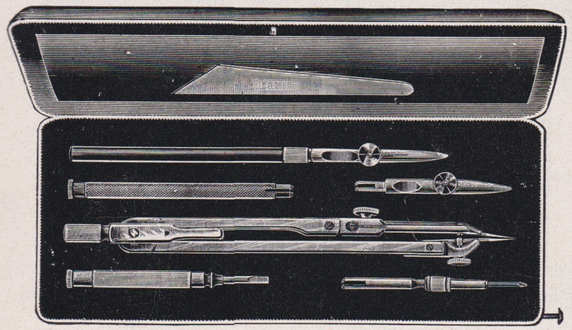
Compasses with central guide.
Pen points with + nib.
Cases with velvet lining.



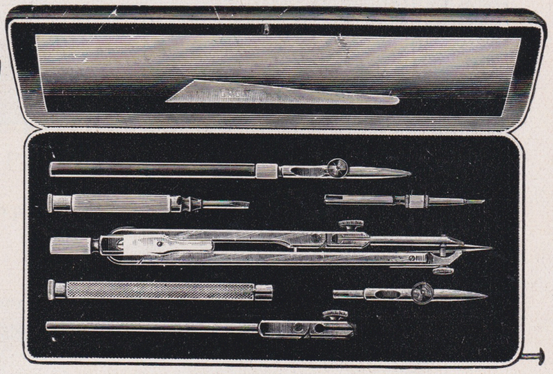
Showing construction of the central guide.



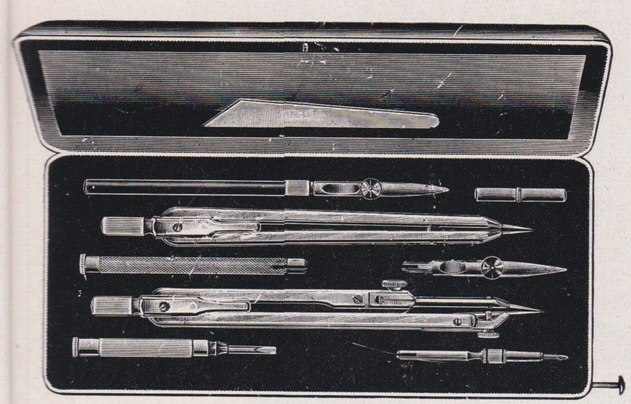
Showing construction of pen points with + nib.



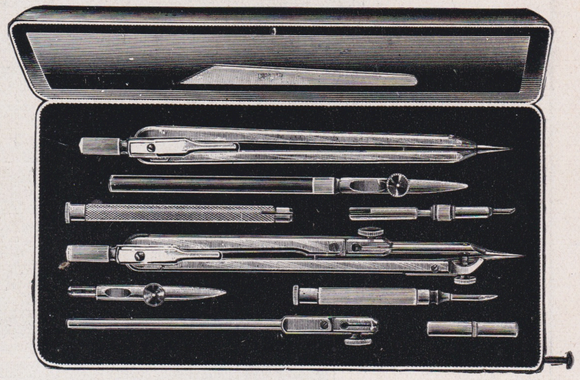
II P



IIa P



IV P



V P

Illustrations: 1/2 actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

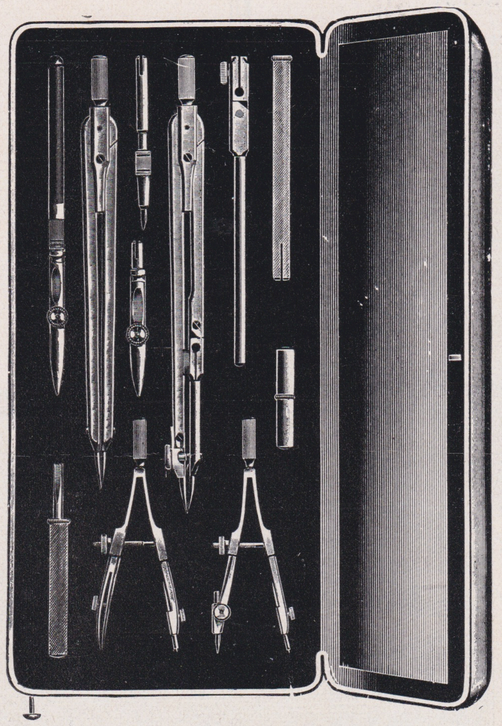
# Series PRECO

## CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.

### Ia. ELECTRUM.

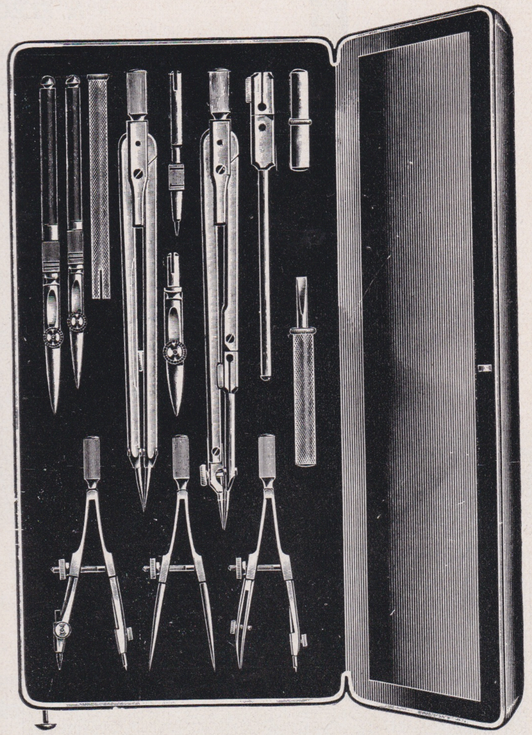
Compasses with central guide; Pen points with + nib. Cases with velvet lining.

SOELLNER

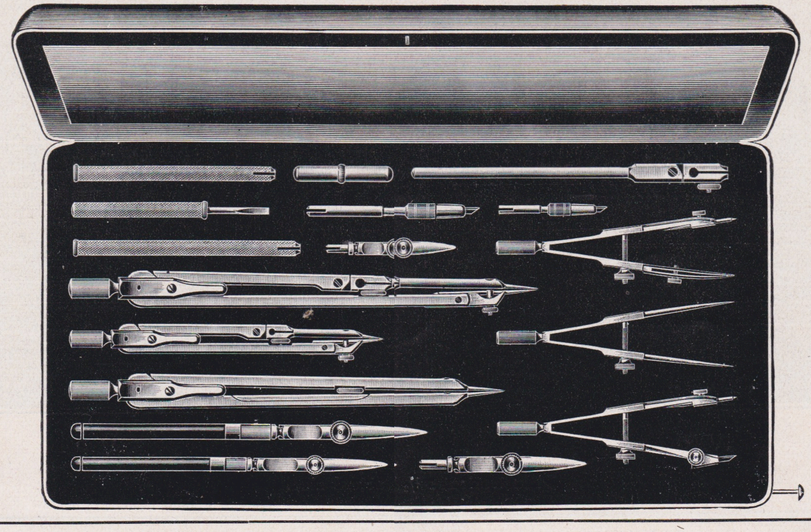


V P/2

**V P/1** as illustration, but 1 spring bow.



XP



XIX P

Illustrations: 1/2 actual size.



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

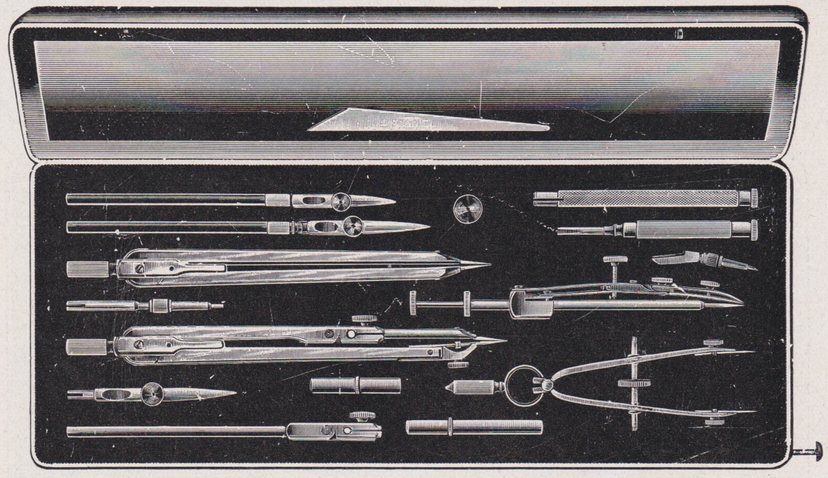
# Series PRECO

## CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.

### Ia. ELECTRUM.

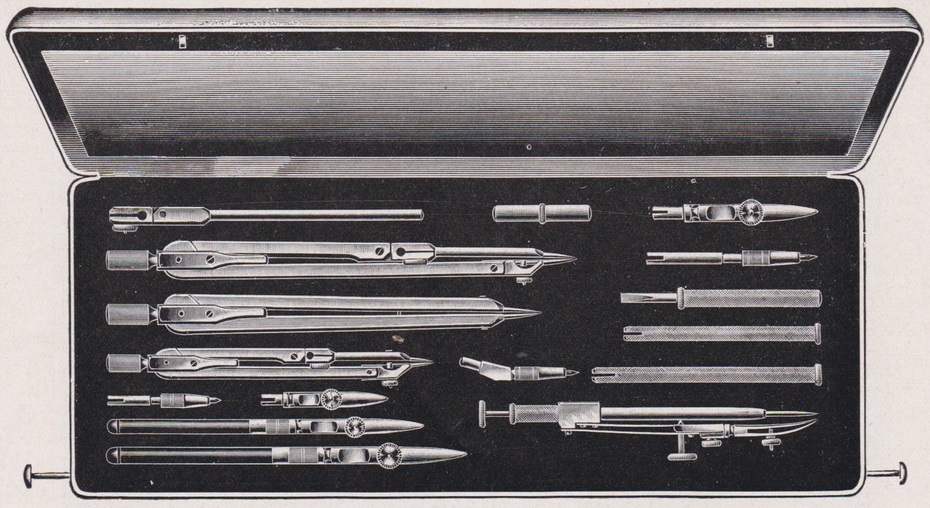
Compasses with central guide. Pen points with + nib. Cases with velvet lining.

SOELLNER



VII P

**VIIa P** as illustration, but with spring bow 322 S with pen and pencil point in place of spring bow 320 S.
**VI P** as illustration, but without spring bow.



VIII P

Illustrations: 1/2 actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

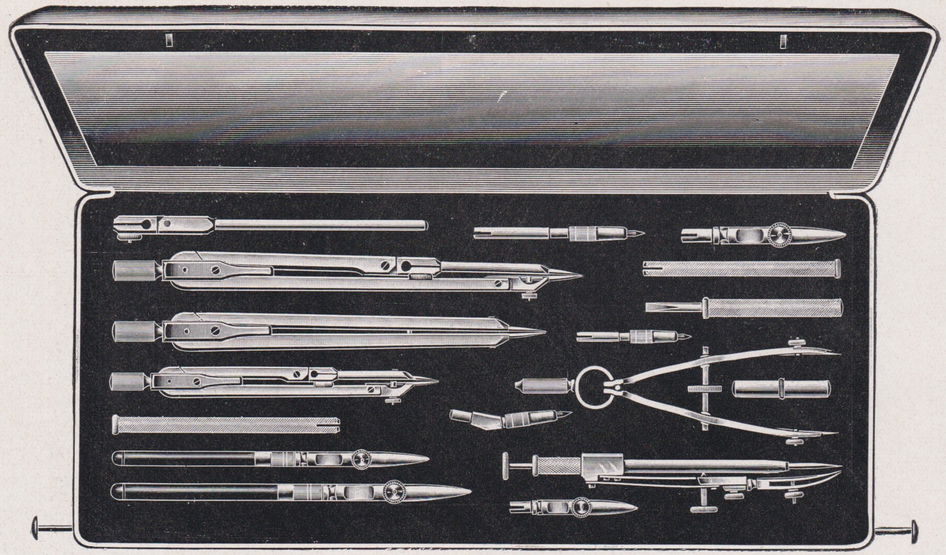
# Series PRECO

SOELLNER

## CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.

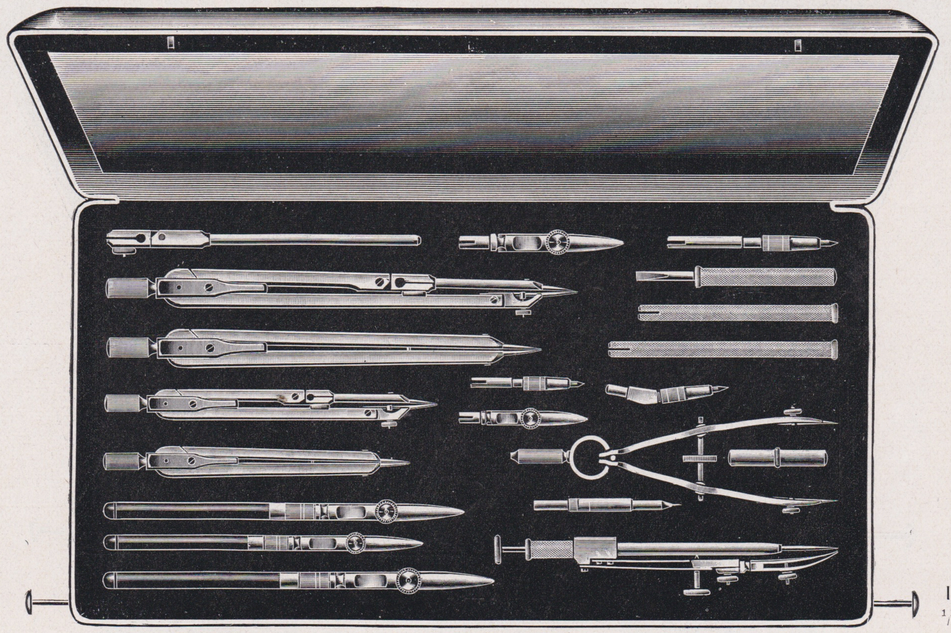
### Ia. ELECTRUM.

Compasses with central guide. Pen points with + nib. Cases with velvet lining.



IX P

IXa P as illustration, but with spring bow 322S with pen and pencil point in place of spring bow 320S.



Illustrations: $^1/_2$ actual size.

Illustrations: $^1\,^1/_2$ actual size.

XI P

XIa P as illustration, but with spring bow 322S with pen and pencil point in place of spring bow 320S.



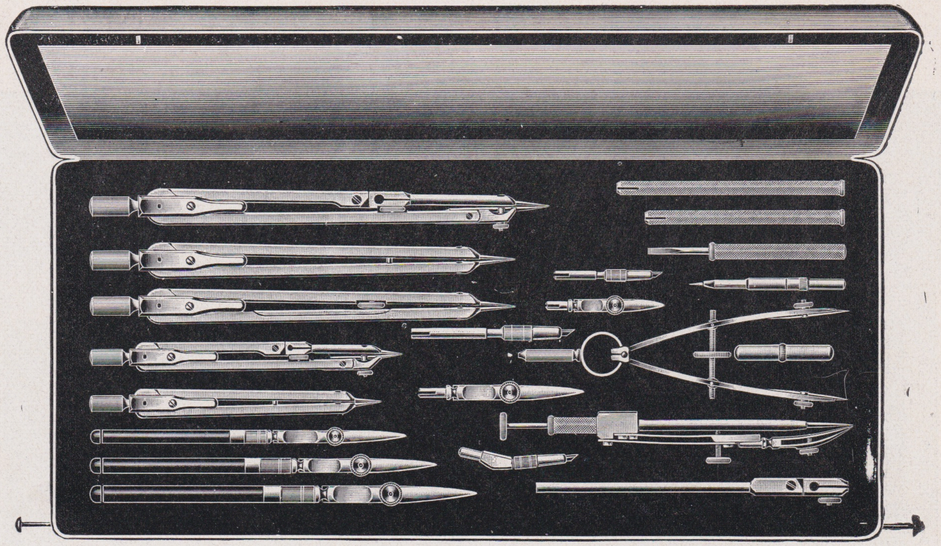
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

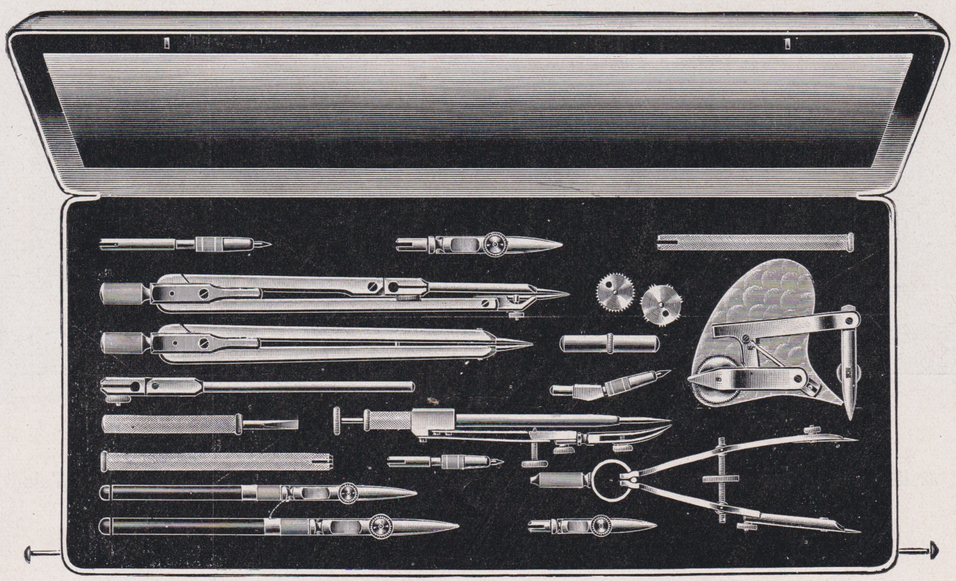
Series PRECO

SOELLNER

CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.
Ia. ELECTRUM.
Compasses with central guide. Pen points with + nib. Cases with velvet lining.



XII P



XIV P

XIII P as illustration, but without spring bow 322S.

Illustrations: $^1/_2$ actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

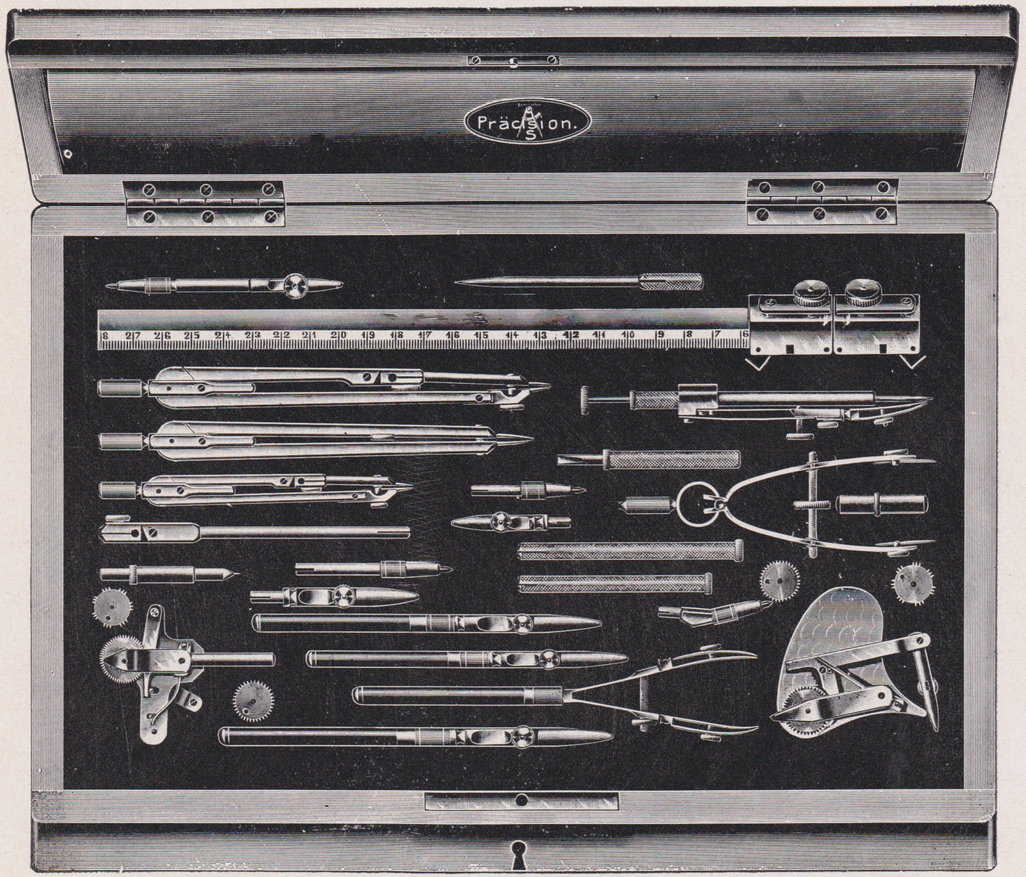
# Series PRECO

SOELLNER

## CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.

## Ia. ELECTRUM.

Compasses with central guide. Pen points with + nib. Cases with velvet lining.




XVI P
High polished Walnut case.

XV P as illustration, but without compass 314/2 and without railroad pen 60, in high polished Walnut case..

**Illustration: 1/2 actual size.**



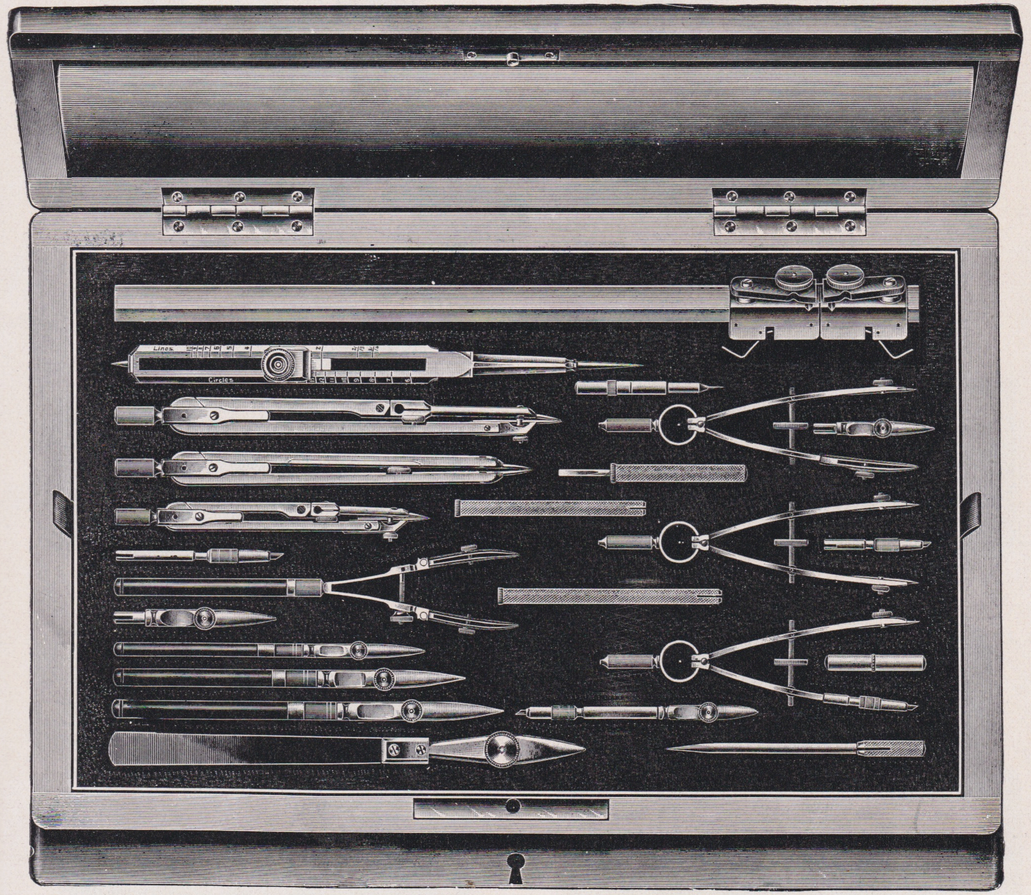
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

Series PRECO

SOELLNER

CASES OF INSTRUMENTS OF HIGHEST QUALITY AND PRECISION FOR ENGINEERS.
Ia. ELECTRUM.
Compasses with central guide. Pen points with + nib. Cases with velvet lining.



XVII P
High polished Walnut case.

**Illustration: 1/2 actual size.**

J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

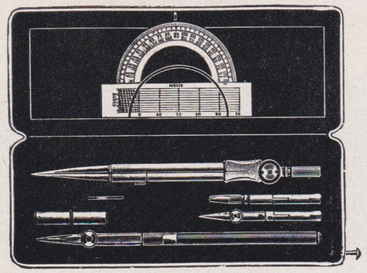
SOELLNER

SOELLNER

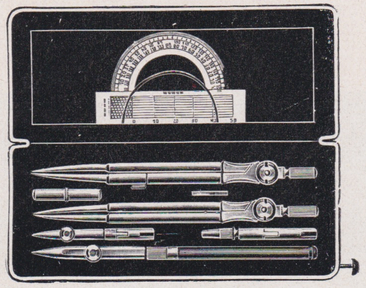
# Series **RONDO**

## CASES OF INSTRUMENTS FOR COLLEGES. NICKEL-PLATED.

Cases with velvet lining.

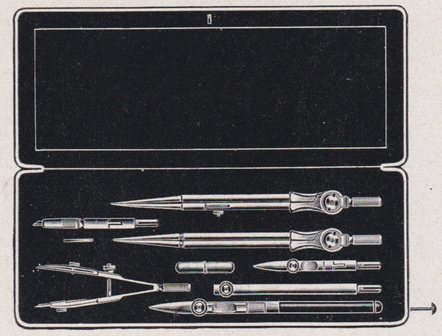


602

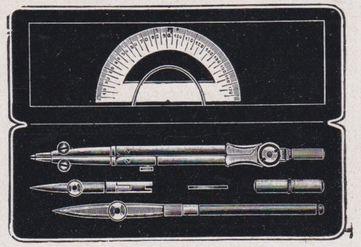


604

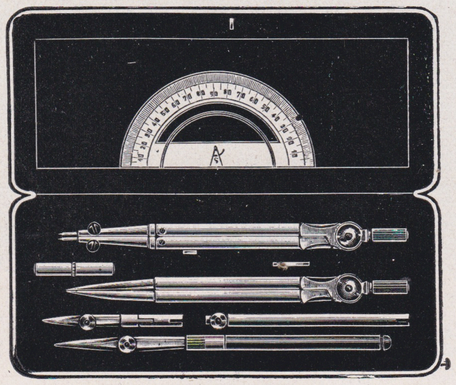
**605** as illustration, and with lengthening bar.



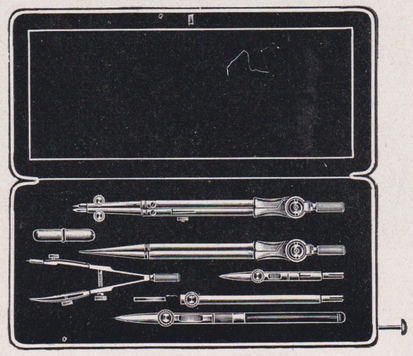
607



602 N



605 N



607 N

**604 N** as illustration, but without lengthening bar.

*The cases are without any protractor.*

**Illustrations:** 1/3 **actual size.**



J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

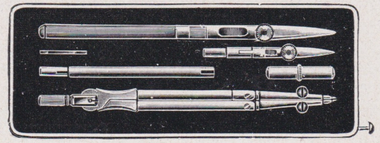
SOELLNER

# Series **DURO**

## CASES OF INSTRUMENTS FOR DRAUGHTSMEN, TECHNICAL SCHOOLS AND STUDENTS.

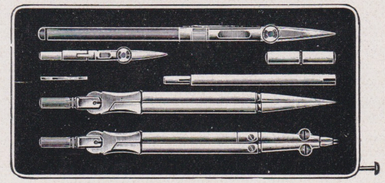
Ia. ELECTRUM.

Cases with velvet lining.



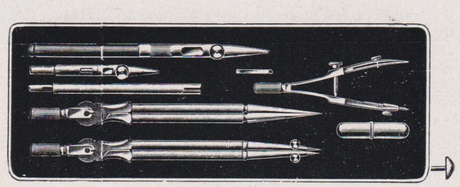
502 a

**502** as illustration, but without lengthening bar.



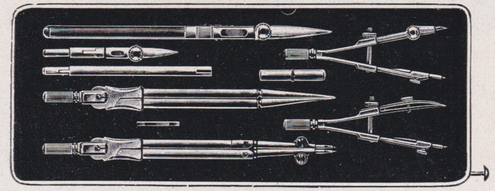
505

**504** as illustration, but without lengthening bar.



507

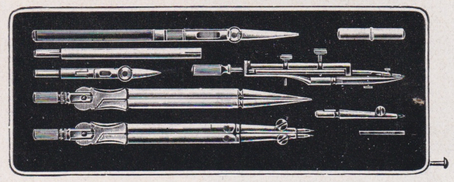
**517** as illustration, but without divider.



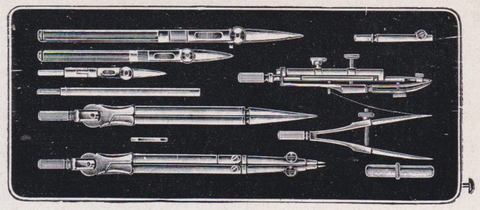
510

**511** as illustration, but with 3 spring bows.

**520** as illustration, but without divider.



508 a



512

**Illustrations:** 1/3 **actual size.**

J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

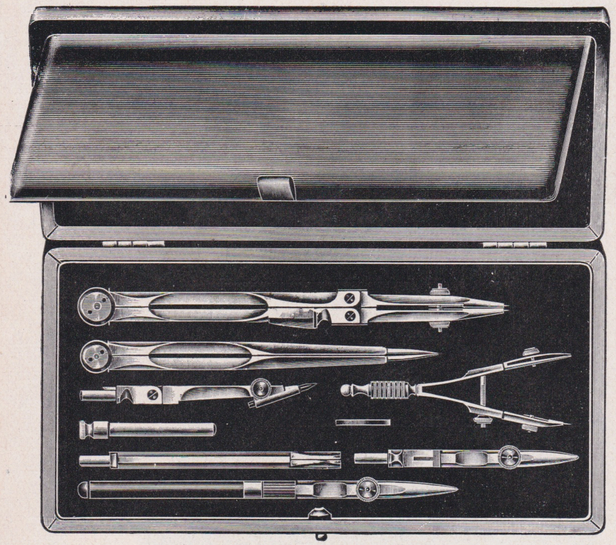
SOELLNER

# Series **BELLO**

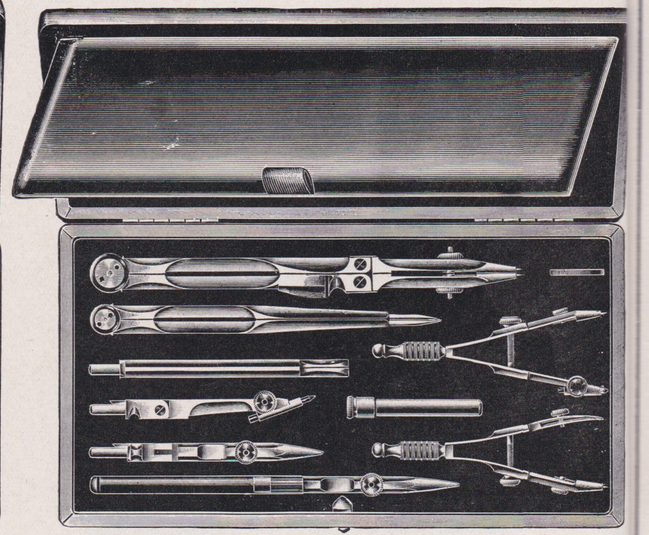
## CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

### Ia. ELECTRUM.

Snap cases with velvet lining and flaps.



98/1



98/2

**98/0** as illustration, but without spring bow.

Illustrations:
1/2 actual size.

98/3

Illustrations:
1/2 actual size.

J 43/3



J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

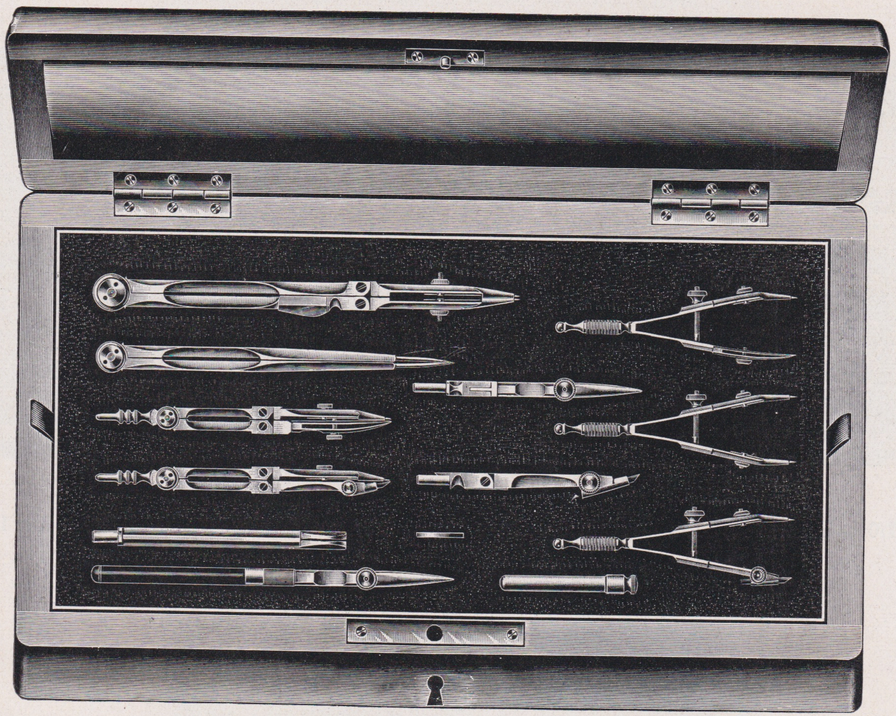
SOELLNER

# Series **BELLO**

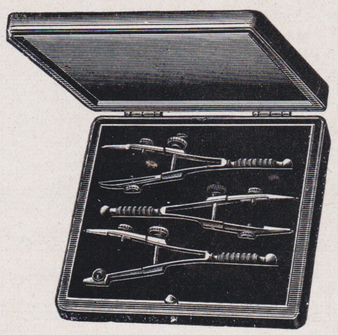
## CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

### Ia. ELECTRUM.

Snap cases with velvet lining and flaps.



**99 W** = in high polished Walnut case.
**99 S** = in Snap case with flap.



J 56

Illustrations: 1/2 actual size.

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SQELLNER

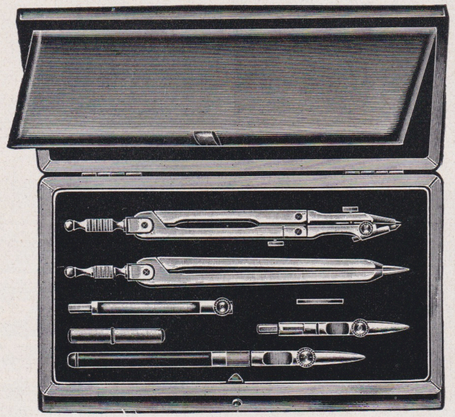
SOELLNER

# Series PICCOLO

## CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

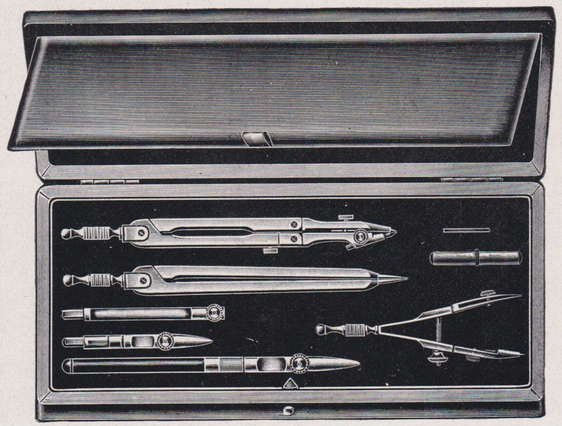
### Ia. ELECTRUM.

Snap cases with velvet lining and flaps.



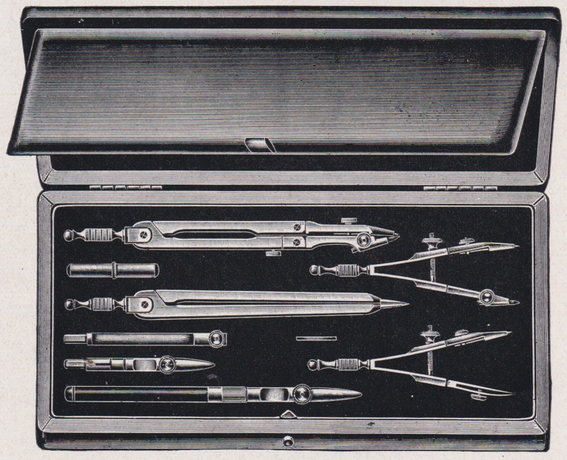
**112/0**

**111/0** as illustration, but without divider 110.



**112/1**

**111/1** as illustration, but without divider 110.



**112/2**

**111/2** as illustration, but without divider 110.

**Illustrations: $^1/_2$ actual size.**



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

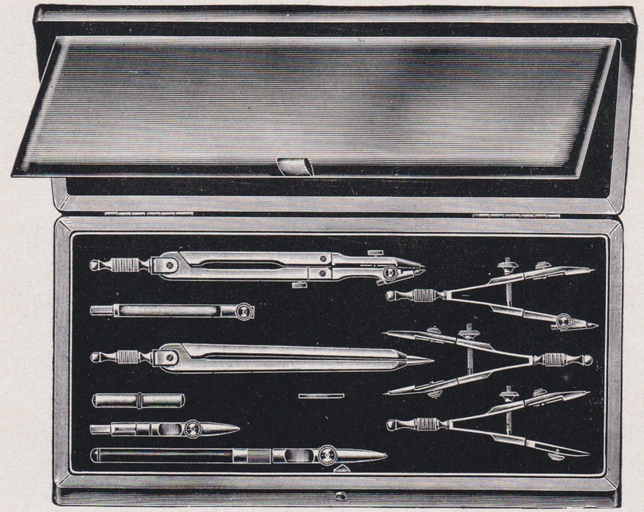
SOELLNER

# Series PICCOLO

## CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

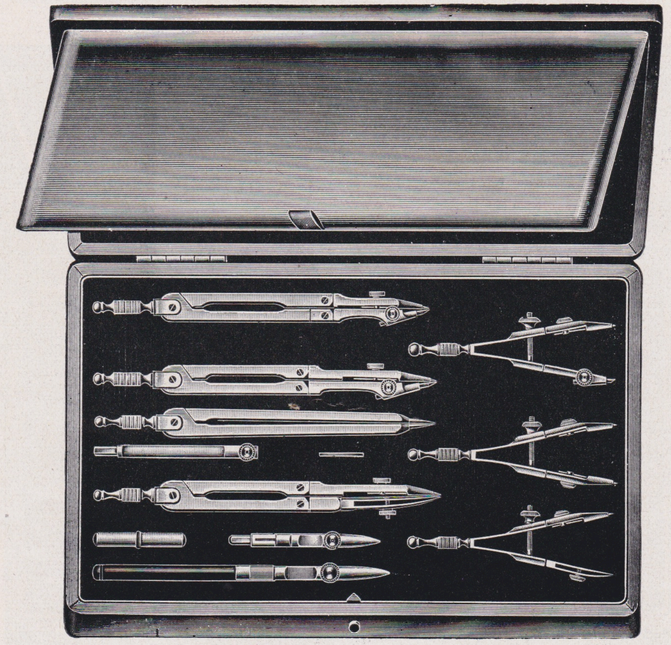
### Ia. ELECTRUM.

Snap cases with velvet lining and flaps.



**112/3**

**111/3** as illustration, but without divider 110.



**114/3**

**Illustrations: $^1/_2$ actual size.**

**Illustrations: $^1/_2$ actual size.**

SOELLNER

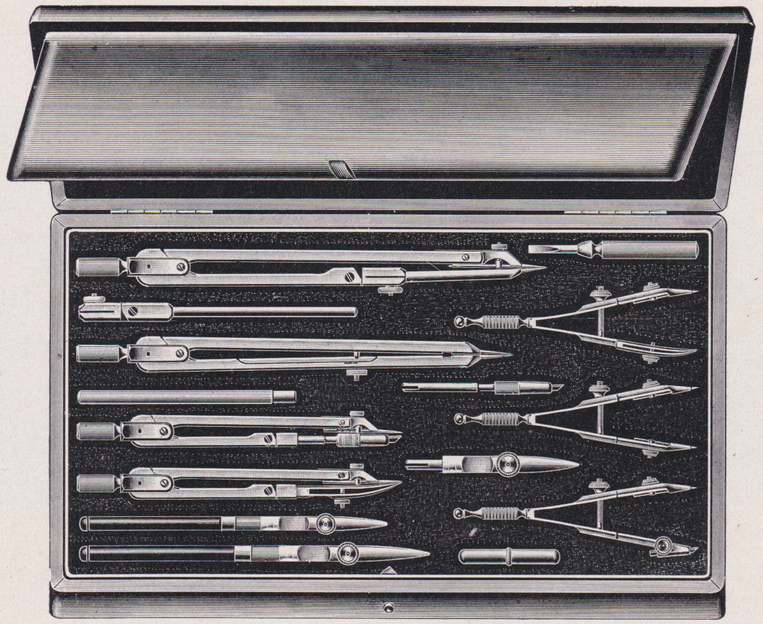
SOELLNER

## Series CRONO

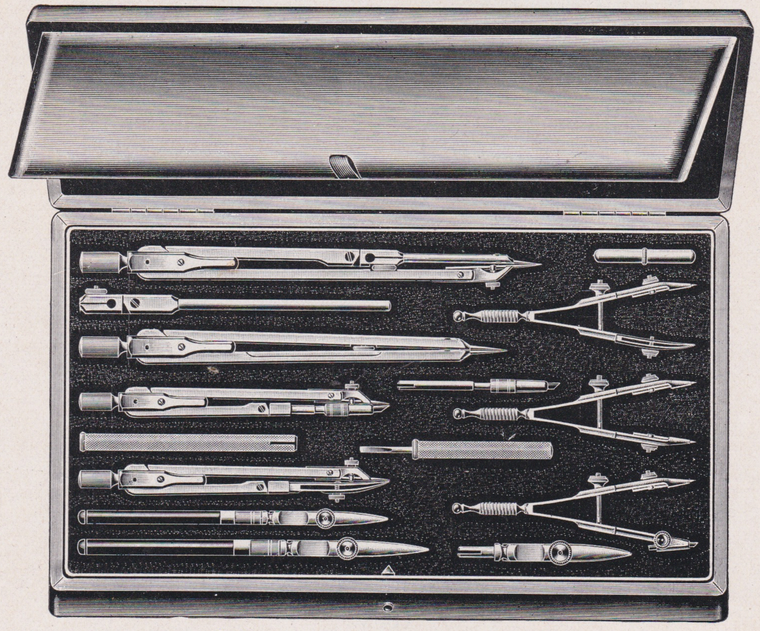
CASES OF INSTRUMENTS FOR ENGINEERS AND COLLEGES.

Ia. ELECTRUM.

Snap cases with velvet lining and flaps.



C 20



**C 30** with straightening device and + nib.

**Illustrations:**
**1/2 actual size.**

**Illustrations:**
**1/2 actual size.**



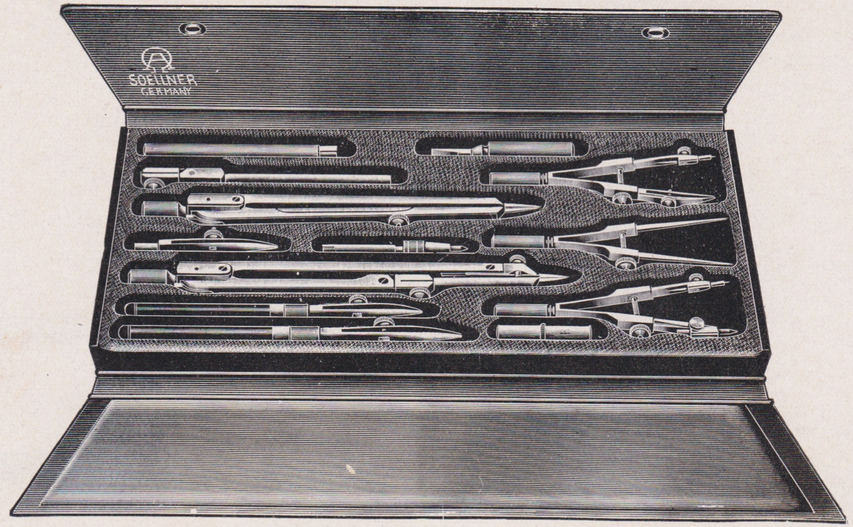
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

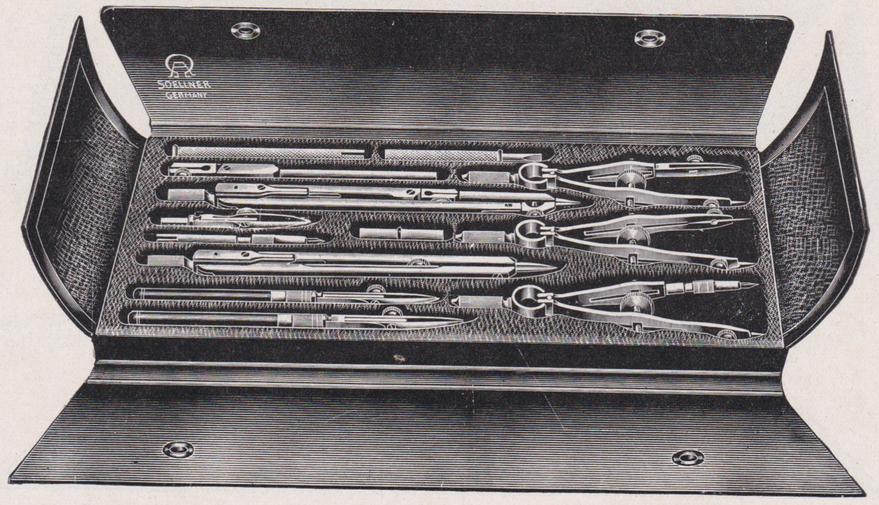
SOELLNER

## AMERICAN PATTERN

This is an extract only of our catalogue for American pattern instruments; we shall be pleased to furnish you with our complete American catalogue.




192




362

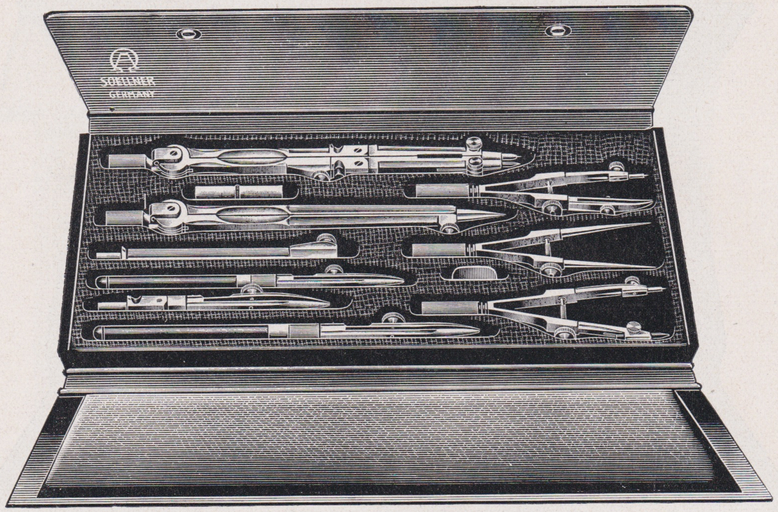
**Illustrations: 1/2 actual size.**

SOELLNER

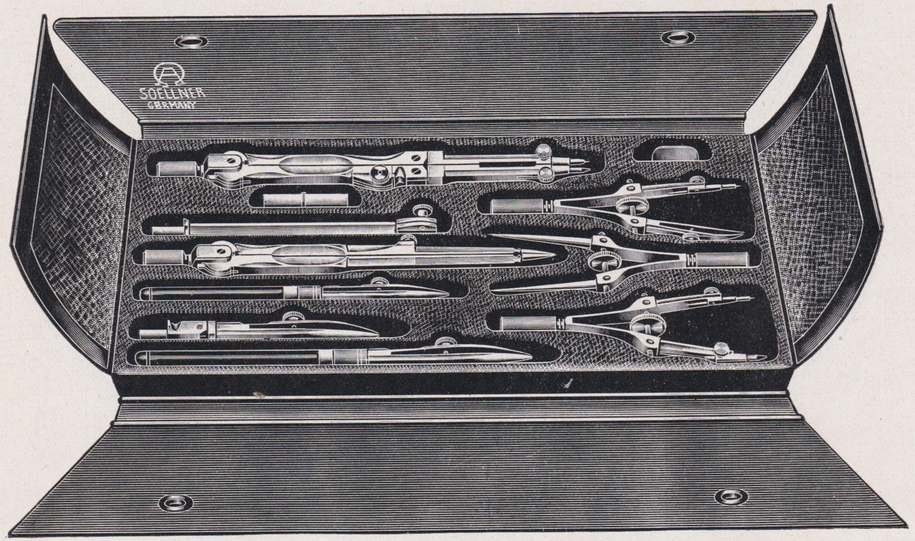
SOELLNER

# AMERICAN PATTERN

This is an extract only of our catalogue for American pattern instruments; we shall be pleased to furnish you with our complete American catalogue.




1412




1515

Illustrations: 1/2 actual size.



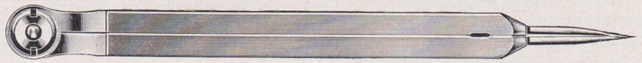
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

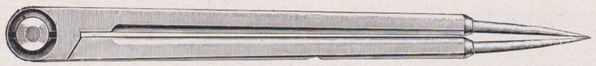
SOELLNER

# SOELLNER - Drawing Instruments

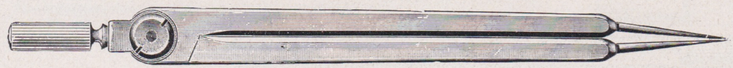
## DIVIDERS



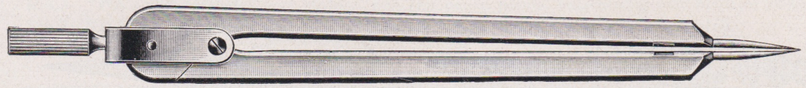
103 "NILO" Divider, brass or nickel-plated.



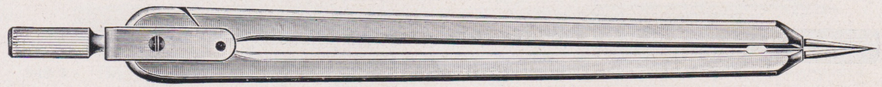
105 "ARGO" Divider, brass or nickel-plated.



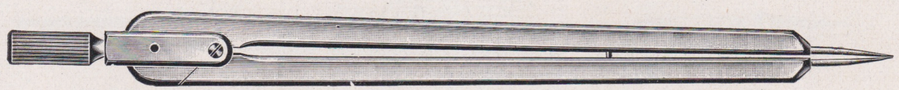
551 "HANSA" Divider, brass or nickel-plated.



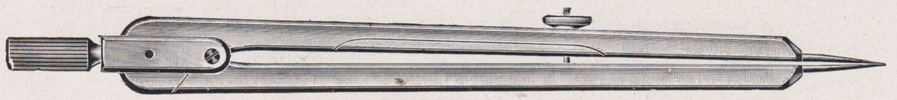
401 "ESKA" / "TEKA" Divider, brass or electrum.



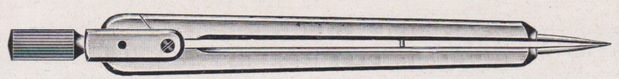
120 "TEMO" Divider, brass.



175 "REMO" Divider, electrum.



175a "REMO" Hairspring Divider, electrum.



165 "REMO" Divider, electrum.

Illustrations: actual size.

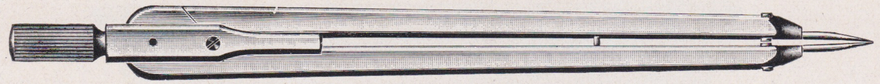
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

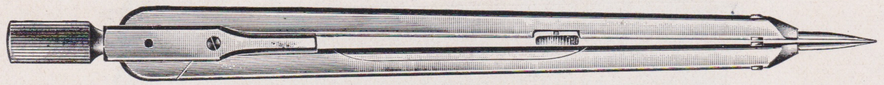
SOELLNER

# SOELLNER-Drawing Instruments

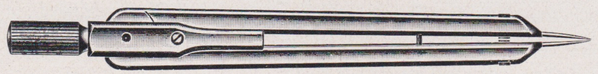
## DIVIDERS



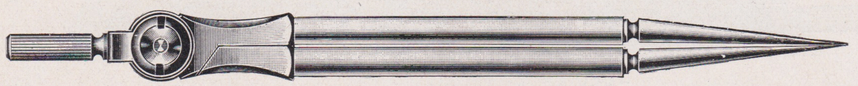
301 "PRECO" Divider, electrum.



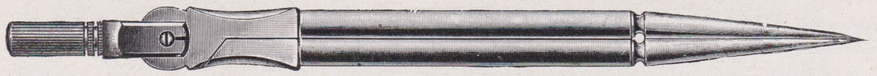
301a "PRECO" Hairspring Divider, electrum.



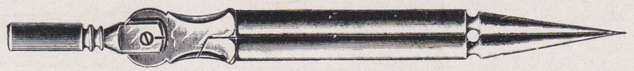
311 "PRECO" Divider, electrum.



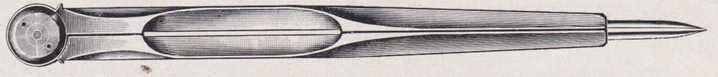
600 "RONDO" Divider, nickel-plated.



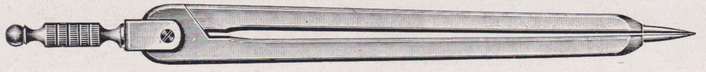
500 "DURO" Divider, electrum.



501 "DURO" Divider, electrum.



96 "BELLO" Divider, electrum.



J 110 "PICCOLO" Divider, electrum.

**Illustrations: actual size.**



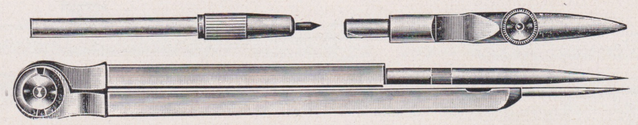
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

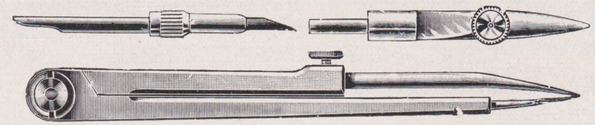
SOELLNER

# SOELLNER-Drawing Instruments

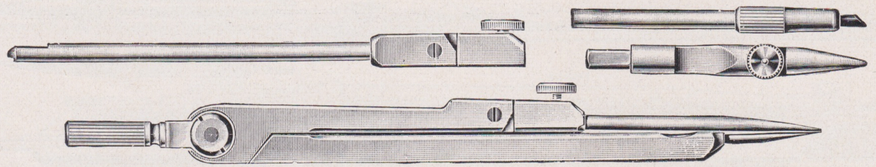
## HALF-SETS



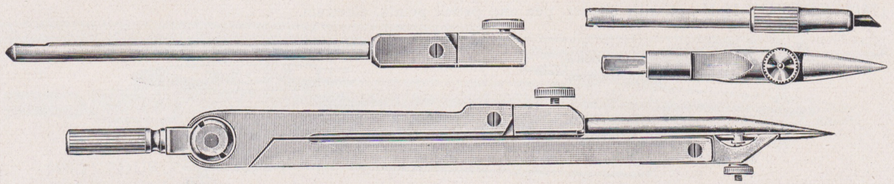
104 "NILO" **Half-set** with divider, pen and pencil points, brass or nickel-plated.



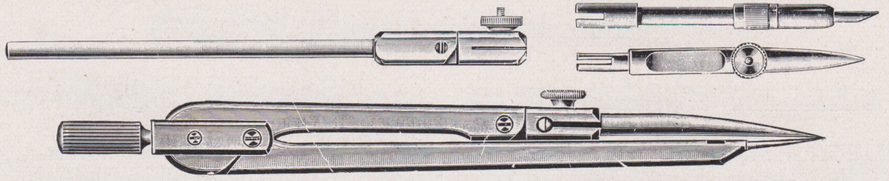
107 "ARGO" **Half-set** with divider, pen and pencil points, brass or nickel-plated.



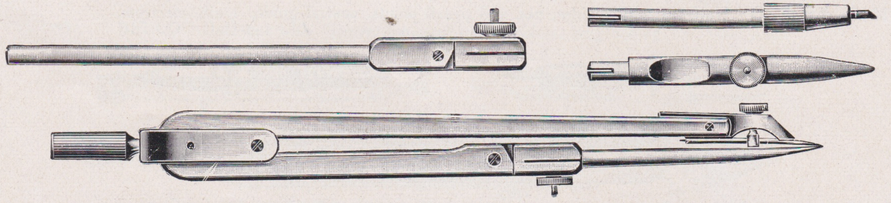
550/3 "HANSA" **Half-set** with divider, pen and pencil points, lengthening bar, brass or nickel-plated.
550/2 "HANSA" **Half-set** with divider, pen and pencil points, brass or nickel-plated.



540/3 "HANSA" **Half-set** with divider, pen and pencil points, lengthening bar, brass or nickel-plated.
540/2 "HANSA" **Half-set** with divider, pen and pencil points, brass or nickel-plated.



400/3 "ESKA" **Half-set** with divider, pen and pencil points, lengthening bar, brass or electrum.
400/2 "ESKA" **Half-set** with divider, pen and pencil points, brass or electrum.



450/3 "TEKA" **Half-set** with divider, pen and pencil points, lengthening bar, brass or electrum.
450/2 "TEKA" **Half-set** with divider, pen and pencil points, brass or electrum.

**Illustrations: actual size.**

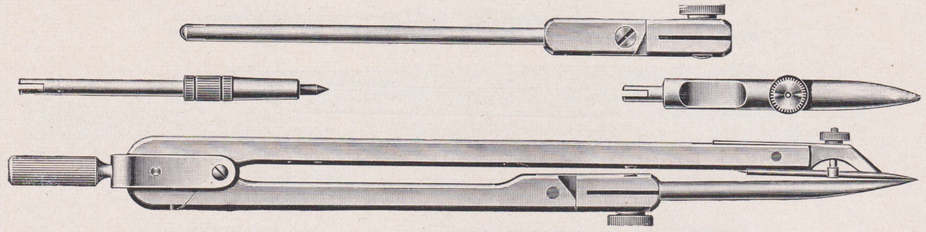
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

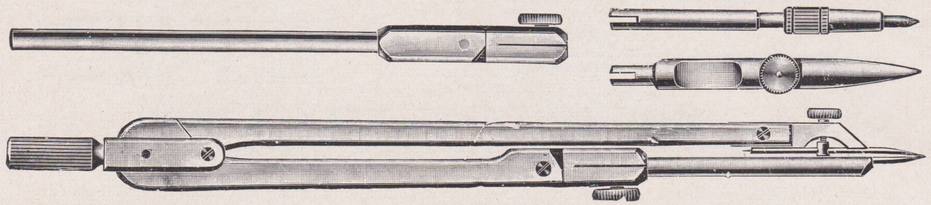
SOELLNER

# SOELLNER-Drawing Instruments

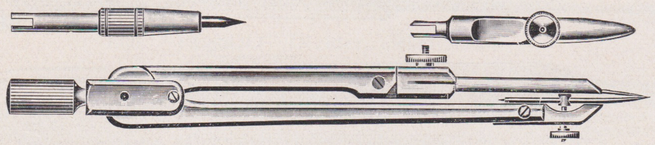
## HALF-SETS



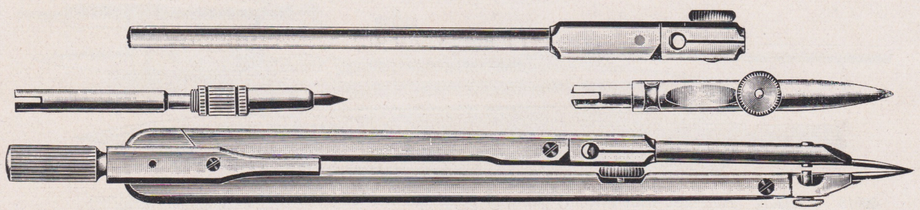
**121/3** "TEMO" **Half-set** with divider, pen and pencil points, lengthening bar, brass.
**121/2** "TEMO" **Half-set** with divider, pen and pencil points, brass.



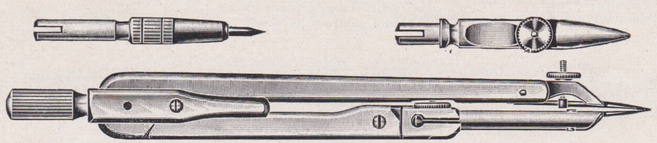
**176/3** "REMO" **Half-set** with divider, pen and pencil points, lengthening bar, electrum.
**176/2** "REMO" **Half-set** with divider, pen and pencil points, electrum.



**166/2** "REMO" **Half-set** with divider, pen and pencil points, electrum.



**304/3** "PRECO" **Half-set** with divider, pen and pencil points, lengthening bar, central guide, + nib, electrum.
**304/2** "PRECO" **Half-set** with divider, pen and pencil points, central guide, + nib, electrum.



**314/2** "PRECO" **Half-set** with divider, pen and pencil points, central guide, + nib, electrum.

**Illustrations: actual size.**



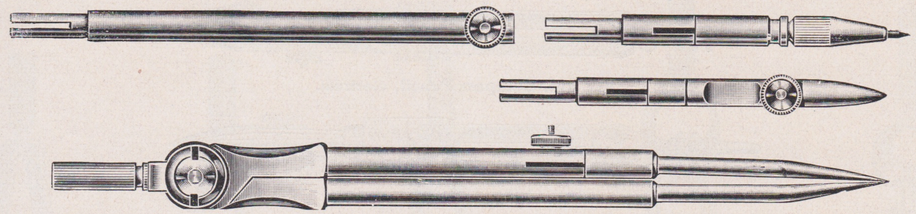
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

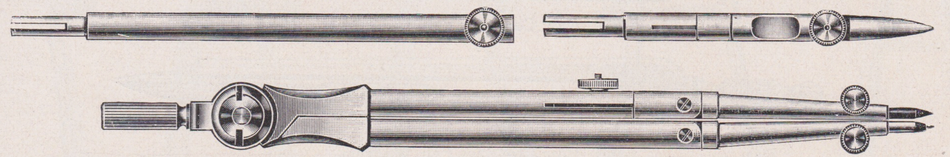
SOELLNER

# SOELLNER-Drawing Instruments

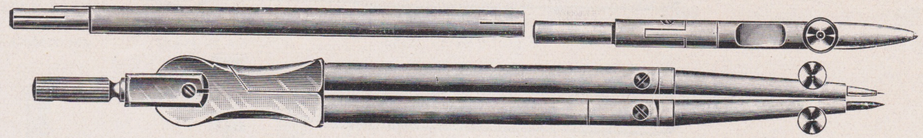
## HALF-SETS



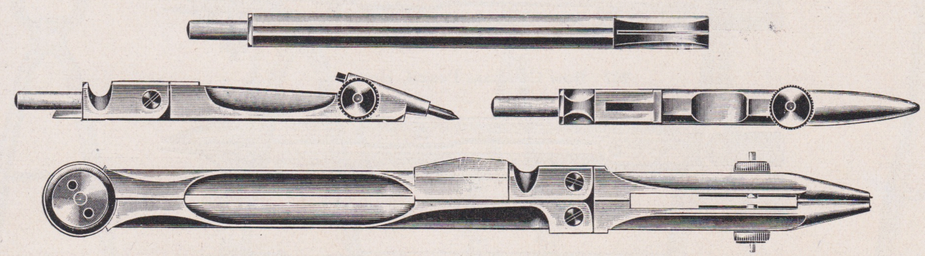
**600/3** "RONDO" **Half-set** with divider, pen and pencil points, lengthening bar, nickel-plated.
**600/2** "RONDO" **Half-set** with divider, pen and pencil points, nickel-plated.



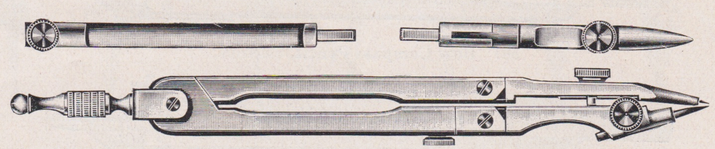
**650/2** "RONDO" **Half-set** with pen and pencil points, lengthening bar, nickel-plated.
**650/1** "RONDO" **Half-set** with pen and pencil points, nickel-plated.



**500/2** "DURO" **Half-set** with pen and pencil points, lengthening bar, electrum.
**500/1** "DURO" **Half-set** with pen and pencil points, electrum.



**95** "BELLO" **Half-set** with divider, pen and pencil points, lengthening bar, electrum.



**J 109** "PICCOLO" **Half-set** with pen and pencil points, lengthening bar, electrum.

**Illustrations: actual size.**

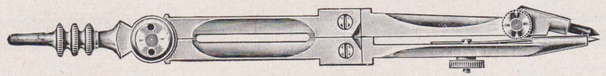
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

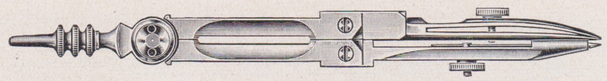
SOELLNER

# SOELLNER-Drawing Instruments

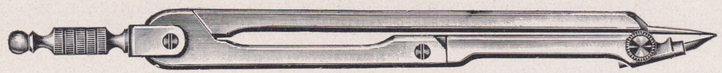
## BOW COMPASSES



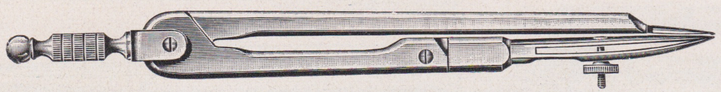
**93 Bow Compass Pencil,** electrum.



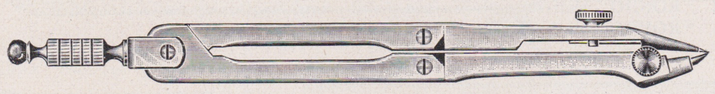
**94 Bow Compass Pen,** electrum.



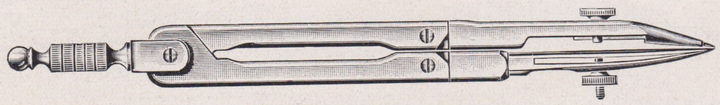
**J 105 Bow Compass Pencil,** electrum.



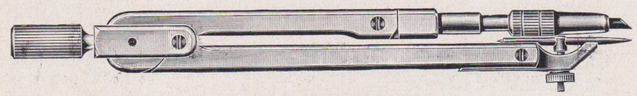
**J 106 Bow Compass Pen,** electrum.



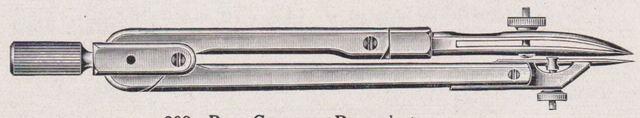
**J 107 Bow Compass Pencil,** electrum.



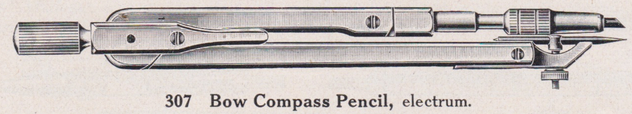
**J 108 Bow Compass Pen,** electrum.



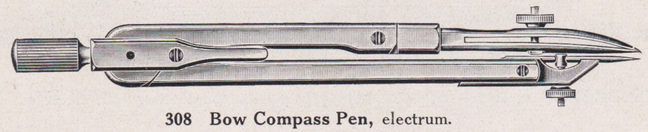
**207 Bow Compass Pencil,** electrum.



**208 Bow Compass Pen,** electrum.



**307 Bow Compass Pencil,** electrum.



**308 Bow Compass Pen,** electrum.

**Illustrations: actual size.**



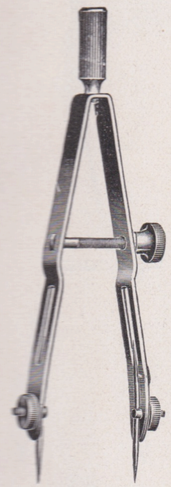
J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

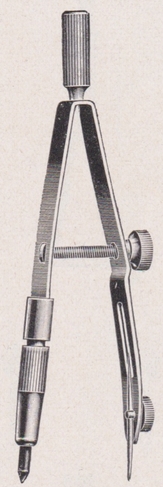
SOELLNER

# SOELLNER-Drawing Instruments

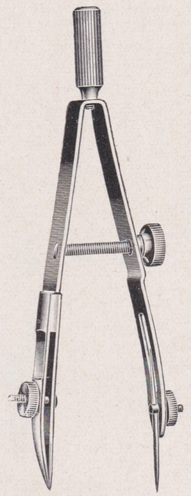
## SPRING BOWS



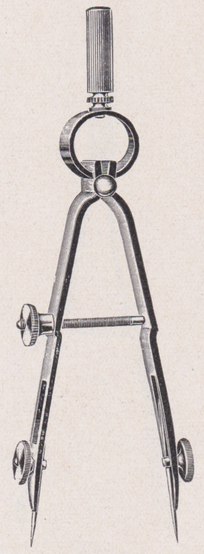
**605 S**
brass or electrum



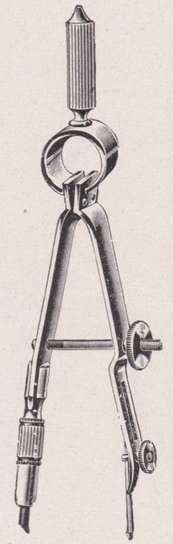
**608**
brass or electrum



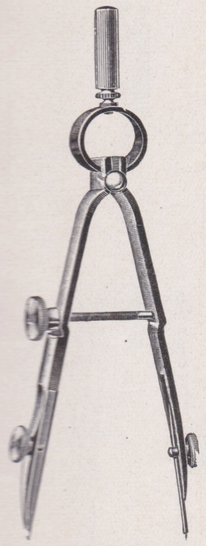
**606**
brass or electrum



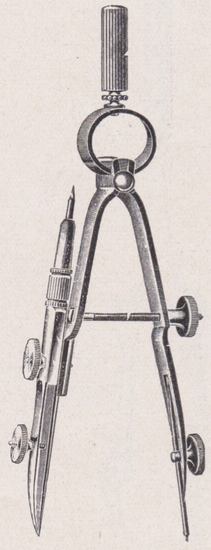
**405**
brass or electrum



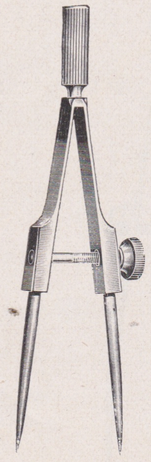
**408**
brass or electrum



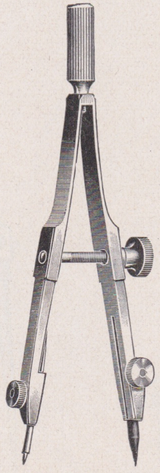
**406**
brass or electrum



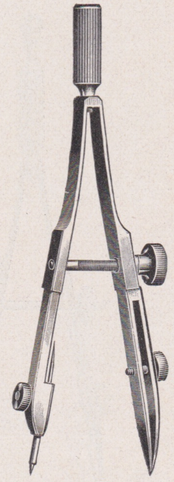
**407 1/2**
brass or electrum, in bulk or in case



**14 S**
brass or electrum



**14 B**
brass or electrum



**14 F**
brass or electrum

**Illustrations: actual size.**

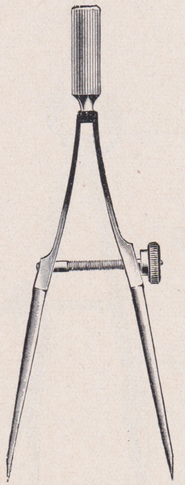
J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

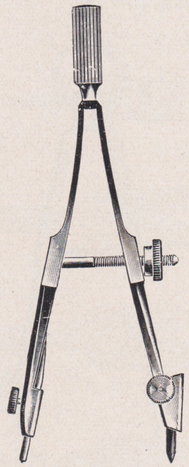
SOELLNER

# SOELLNER-Drawing Instruments

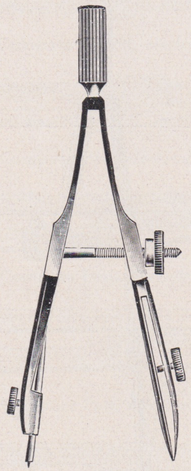
## SPRING BOWS



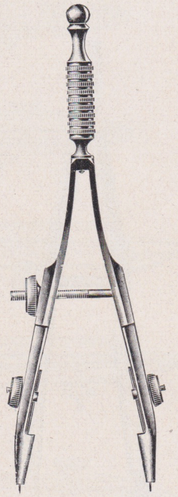
**20 S**
brass or electrum



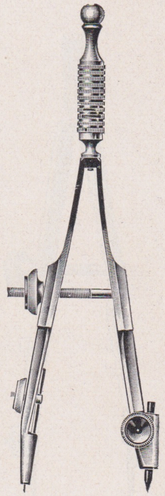
**20 B**
brass or electrum



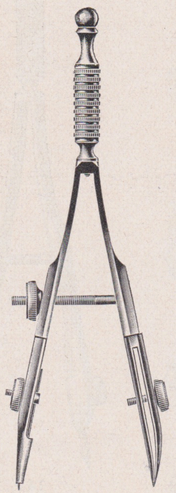
**20 F**
brass or electrum



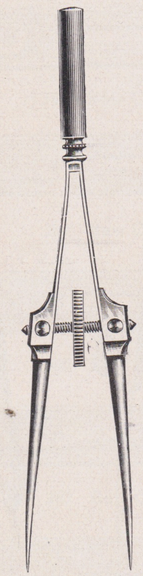
**90|S**
electrum



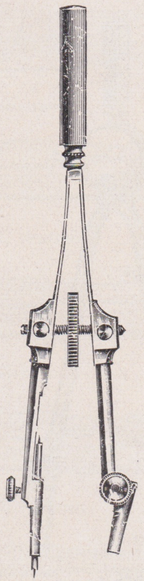
**90 B**
electrum



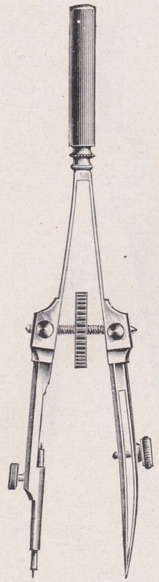
**90 F**
electrum



**35 S**
electrum



**35 B**
electrum



**35 F**
electrum

**Illustrations: actual size.**



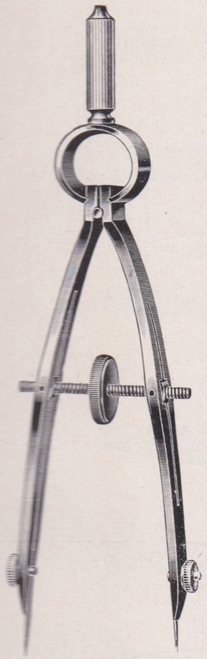
J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

SOELLNER

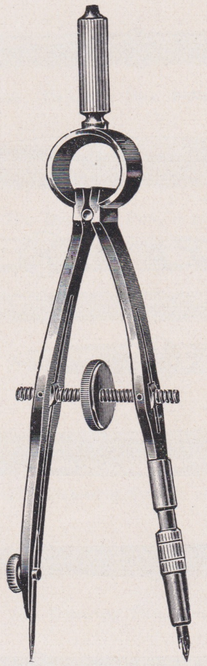
SOELLNER

# SOELLNER-Drawing Instruments

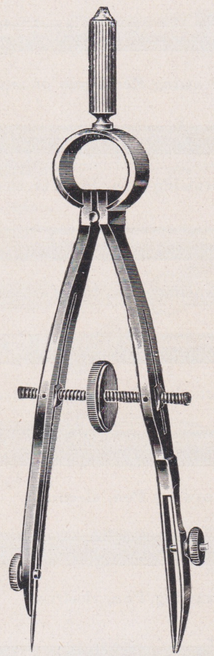
## SPRING BOWS / ROTATING COMPASSES
## DOTTING PENS



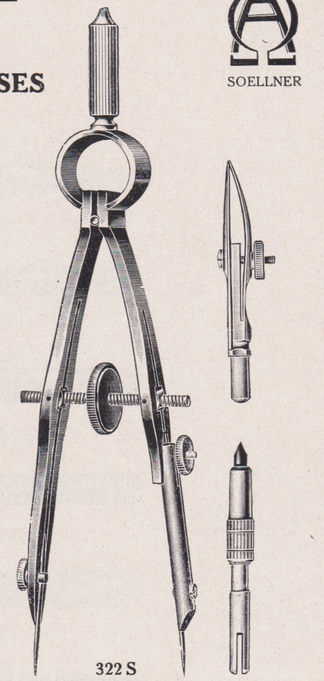
**320 S**
electrum



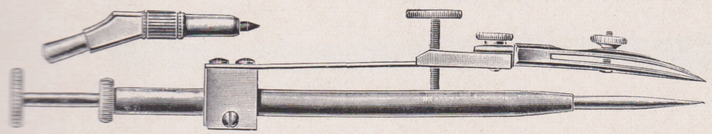
**320 B**
electrum



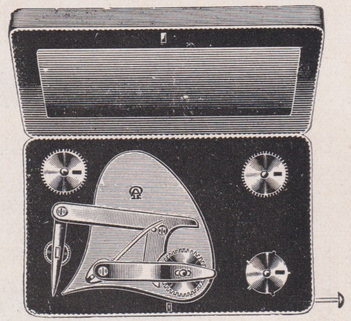
**320 F**
electrum



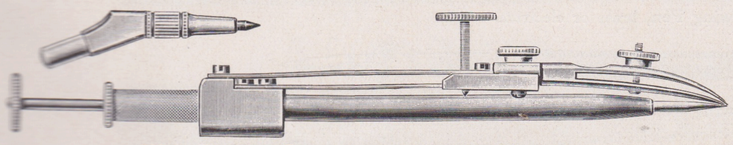
**322 S**
electrum, in bulk or in case



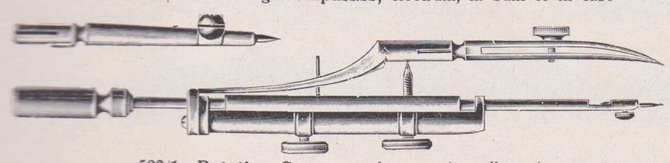
**423/1 Rotating Compasss,** brass, in bulk or in case
**423/1 Rotating Compasss,** electrum, in bulk or in case



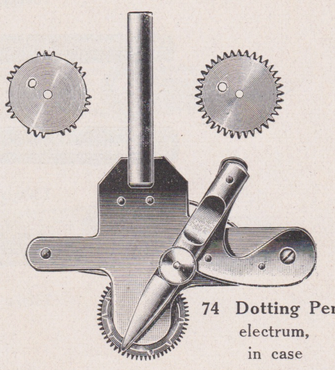
**73 Dotting Pen,** electrum, in case



**323/1 Rotating Compasss,** electrum, in bulk or in case



**523/1 Rotating Compass,** electrum, in bulk or in case



**74 Dotting Pen,**
electrum,
in case

**Illustrations: actual size.**

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

SOELLNER

# SOELLNER-Drawing Instruments

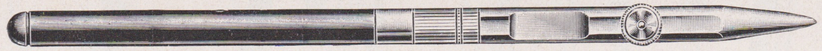
## DRAWING PENS

**503 Drawing Pen,** brass or nickel-plated.

**118 Drawing Pen,** brass or electrum.

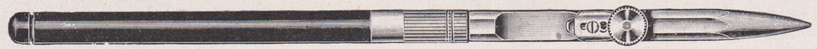
**1400 b Drawing Pen,** brass or electrum.

**1400 c Drawing Pen,** brass or electrum.



**1500 b Drawing Pen,** electrum.

**1500 c Drawing Pen,** electrum.

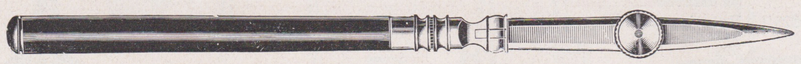


**1550 b Drawing Pen,** slide-catch spring blade, electrum.

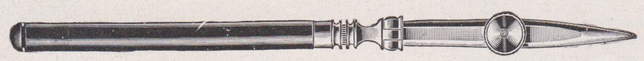
**1550 c Drawing Pen,** slide-catch spring blade, electrum.

**1600 b Drawing Pen,** brass or electrum.

**1600 c Drawing Pen,** brass or electrum.



**1300 b Drawing Pen,** lift-up nib, electrum.



**1300 c Drawing Pen,** lift-up nib, electrum.

**Illustrations: actual size.**



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

SOELLNER

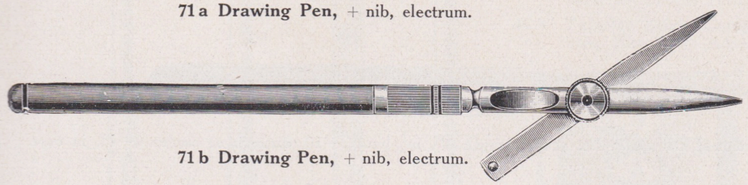
SOELLNER

# SOELLNER-Drawing Instruments

## DRAWING PENS

**1200 Drawing Pen,** lift-up nib, with pricker, electrum.

**71 a Drawing Pen,** + nib, electrum.

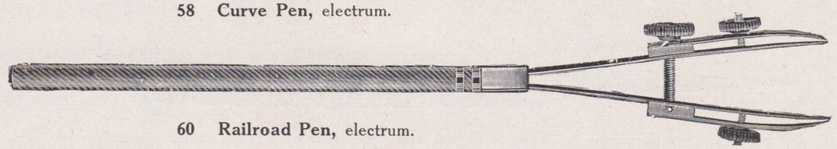


**71 b Drawing Pen,** + nib, electrum.

**71 c Drawing Pen,** + nib, electrum.

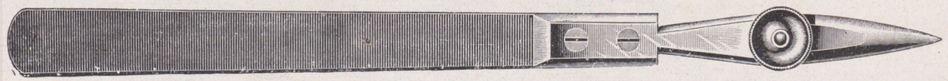
**70 Drawing Pen,** electrum.

**58 Curve Pen,** electrum.

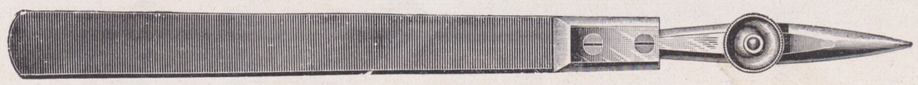


**60 Railroad Pen,** electrum.

**72 Drawing Pen,** electrum.



**65 b Drawing Pen,** electrum.



**65 c Drawing Pen,** electrum.

**Illustrations: actual size.**

J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

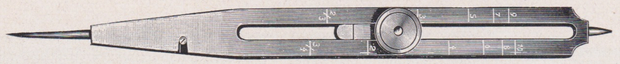
SOELLNER

SOELLNER

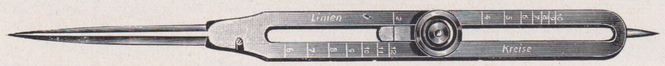
# SOELLNER-Drawing Instruments

## PROPORTIONAL COMPASSES

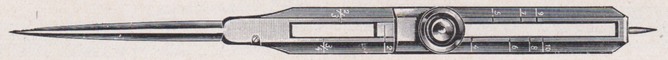
Ia Electrum, most exact workmanship; cases with velvet lining.



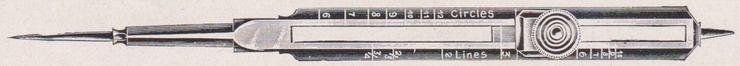
**29/2 Proportional Dividers,** flat shape, length 6 1/4 in., lines 2—10, in case.



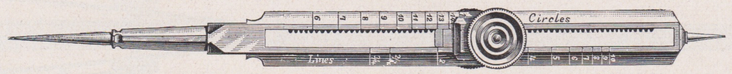

**30/2 Proportional Dividers,** flat shape, length 6 3/4 in., lines 2—10, division of circles 6—12, in case.



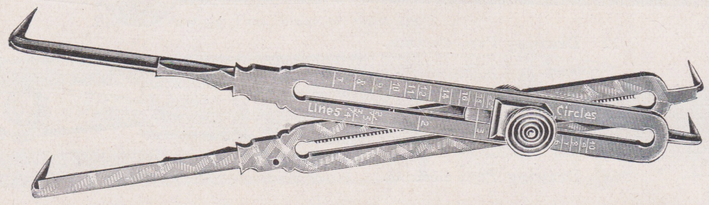
**31/3 Proportional Dividers,** prism. shape, length 6 3/4 in., lines 2—10, division 2/3, 3/4, in case.




**31/4 Proportional Dividers,** prism. shape, length 7 1/2 in., round points, lines 2—10, division of circles 6—12, division 2/3, 3/4, in case.




**31/5 Proportional Dividers,** prism. shape, with rack adjustment, length 7 1/2 in., round points, lines 2—10, division of circles 6—20, division 2/3, 3/4, in case.




**31/7 Proportional Dividers** with vertical points, with rack adjustment, length 7 in., lines 2—10, division of circles 7—20, division 2/3, 3/4, in case.

**Illustrations: 2/3 actual size.**



J. B. SOELLNER Succrs. NUREMBERG
Manufacturers of Mathematical Drawing Instruments

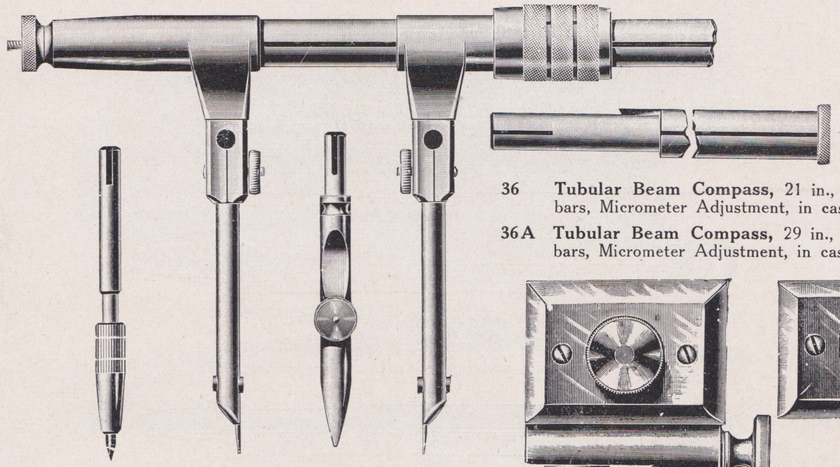
SOELLNER

SOELLNER

# SOELLNER-Drawing Instruments

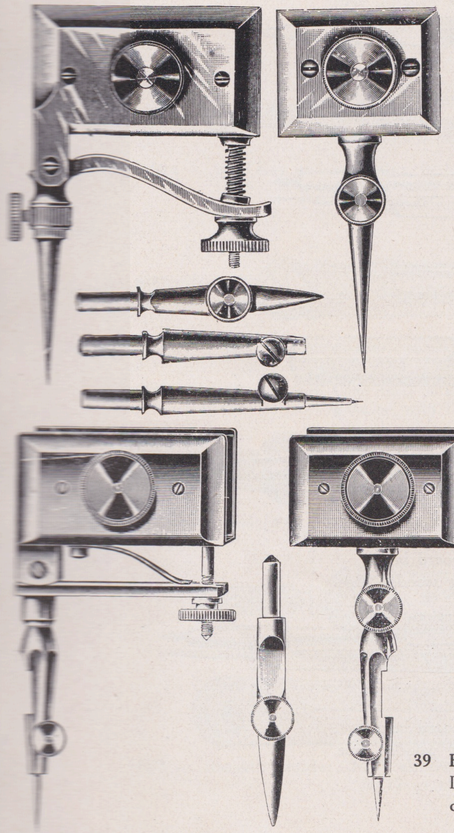
## BEAM COMPASSES

Ia Electrum. Cases with velvet lining.

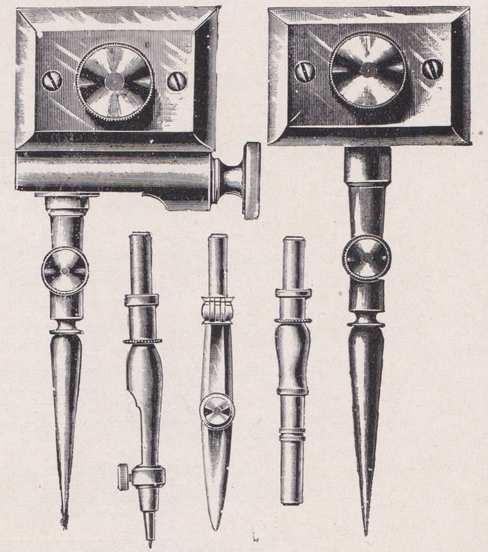


**36 Tubular Beam Compass,** 21 in., 2 round electrum bars, Micrometer Adjustment, in case.

**36A Tubular Beam Compass,** 29 in., 3 round electrum bars, Micrometer Adjustment, in case.



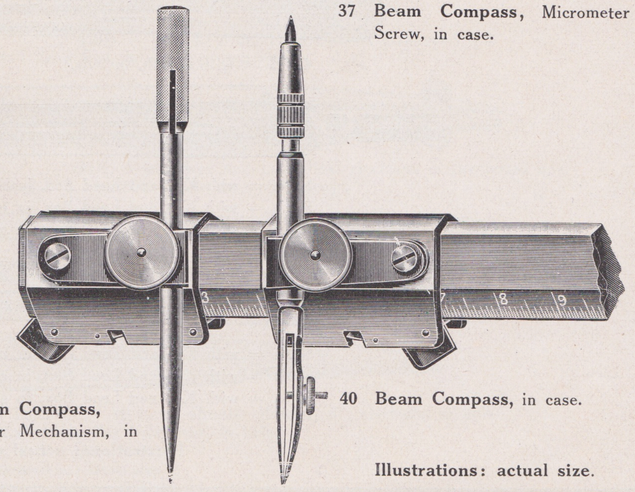
**37 1/2 Beam Compass,** Lever Mechanism, in case.



**37 Beam Compass,** Micrometer Screw, in case.



**39 Beam Compass,** Lever Mechanism, in case.



**40 Beam Compass,** in case.

**Illustrations: actual size.**

J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

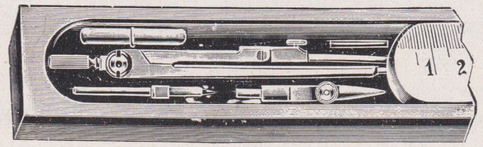
SOELLNER

SOELLNER

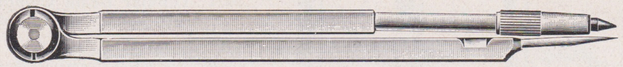
# SOELLNER-Drawing Instruments

## SCHOOL COMPASSES

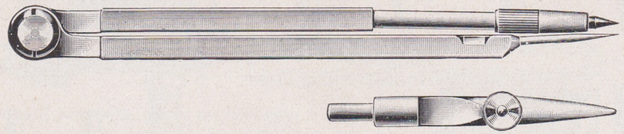
BRASS or NICKEL-PLATED.



**HO** = as illustration.

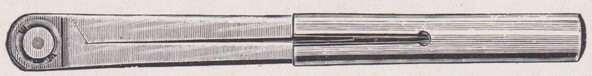


**465 a** = with Key and Lead Box, in bulk.
**465 b** = with Key and Lead Box, in cardboard box.
**465 c** = with Key and Lead Box, in strong wooden case.

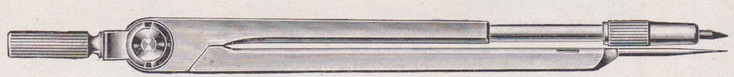


**466 a** = with Key and Lead Box, in bulk.
**466 b** = with Key and Lead Box, in cardboard box.
**466 c** = with Key and Lead Box, in strong wooden case.

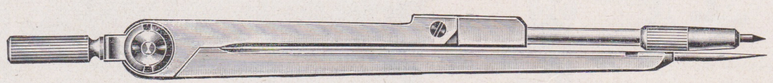
**470 a** = with Key and Lead Box, in bulk.
**470 b** = with Key and Lead Box, in cardboard box.
**470 c** = with Key and Lead Box, in strong wooden case.



**470 H** = with sheath, in bulk.



**570 a** = with Key and Lead Box, in bulk.
**570 b** = with Key and Lead Box, in cardboard box.
**570 c** = with Key and Lead Box, in strong wooden case.



**580 a** = with Key and Lead Box, in bulk.
**580 b** = with Key and Lead Box, in cardboard box.
**580 c** = with Key and Lead Box, in strong wooden case.

**Illustrations: actual size.**



J. B. **SOELLNER** Succrs. **NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

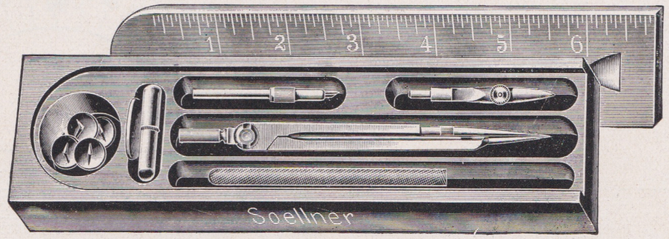
SOELLNER

SOELLNER

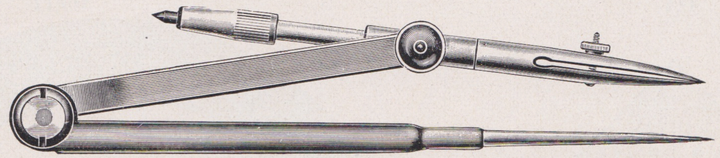
# SOELLNER-Drawing Instruments

## SCHOOL COMPASSES

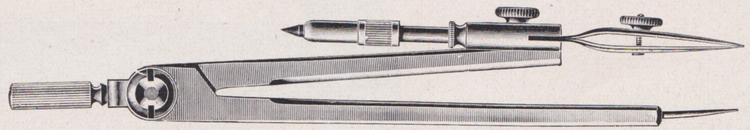
BRASS or NICKEL-PLATED.



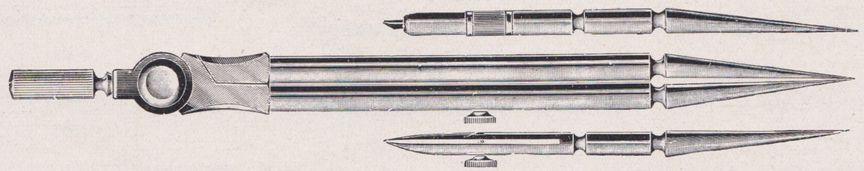

**16** = as illustration.



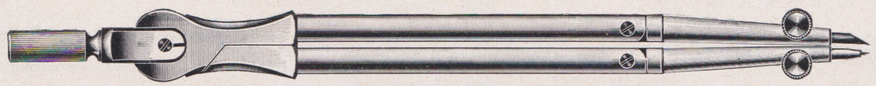
**700 a** = with Key and Lead Box, in bulk. **700 b** = with Key and Lead Box, in cardboard box.
**700 c** = with Key and Lead Box, in strong wooden case.



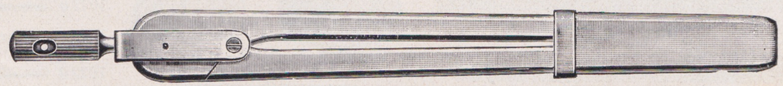
**480 a** = with Key and Lead Box, in bulk. **480 b** = with Key and Lead Box, in cardboard box.
**480 c** = with Key and Lead Box, in strong wooden case.



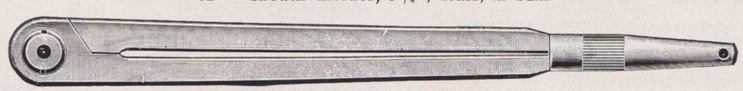

**490 a** = with Key and Lead Box, in bulk. **490 b** = with Key and Lead Box, in cardboard box.
**490 c** = with Key and Lead Box, in strong wooden case.



**590 a** = with Key and Lead Box, electrum, in bulk. **590 b** = with Key and Lead Box, electrum, in cardboard box.
**590 c** = with Key and Lead Box, electrum, in strong wooden case.



**41** = **sheath divider,** $5^1/_4{}''$, brass, in bulk.



**40/8** = **sheath divider,** $3^1/_4{}''$, electrum, in bulk. **40/10** = **sheath divider,** $4''$, electrum, in bulk.
**40/12** = **sheath divider,** $4^3/_4{}''$, electrum, in bulk.

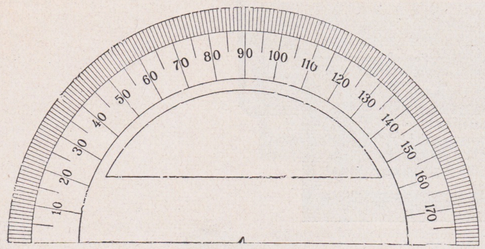
**Illustrations: actual size.**

**J. B. SOELLNER Succrs. NUREMBERG**
Manufacturers of Mathematical Drawing Instruments

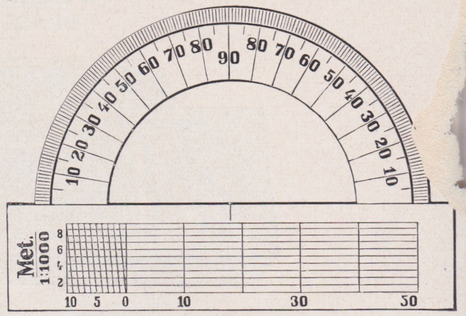
SOELLNER

# SOELLNER-Drawing Instruments
## PROTRACTORS and SEPARATE PARTS for COMPASSES

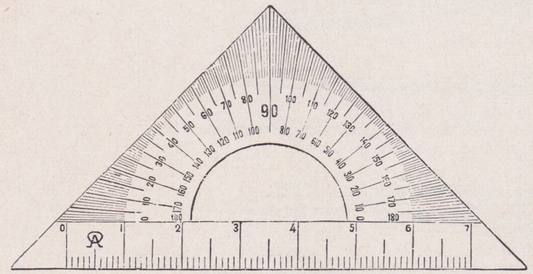
SOELLNER



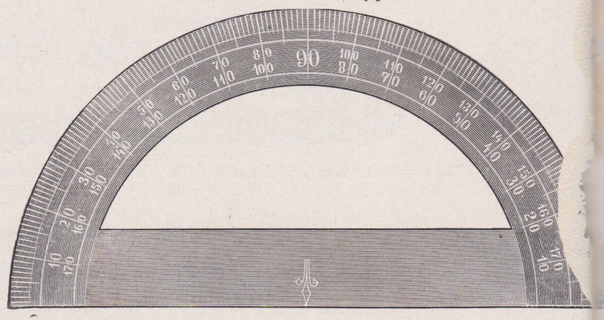
**49/1**



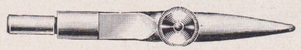

**49/2**



**49/3** = in aluminium
**49/4** = in brass

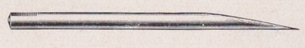


**50/0** = 3″ polished brass, best Engine divided, 1 or 2 rows of figures
**50/2** = 3½″ do. do. do. do. do.
**50/4** = 4″ do. do. do. do. do.



**1001** brass or nickel-plated

1002 brass or nickel-plated

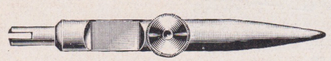


**1003**

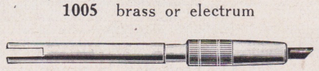
**1004** brass or electrum

**1005** brass or electrum

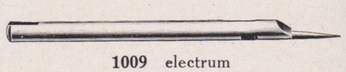
**1006**



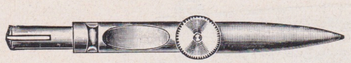
**1007** brass or electrum



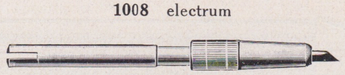
**1008** electrum



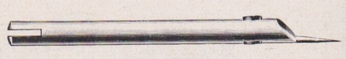
**1009** electrum



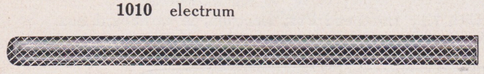
**1010** electrum



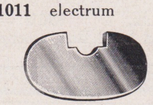
**1011** electrum



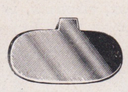
**1012** electrum



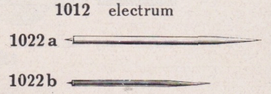
**1013**



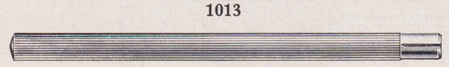
**1018**



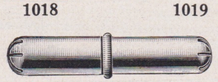
**1019**



**1022 a**
**1022 b**
**1022 c**
**1022 d**

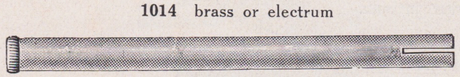


**1014** brass or electrum



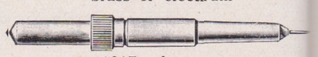
**1020** brass or nickel-plated with lead

**1023 a** **1023 b** **1023 c**
brass or electrum



**1015** electrum

**1021** brass or nickel-plated with lead



**1017** electrum

**1016** electrum

**Illustrations: actual size.**